

In the World of Heliostats, 'Lightweight' Is No Put-Down

Tests on a new breed of lightweight, "stretched-membrane" heliostats that might someday be used at solar central receiver power plants are under way at Sandia's Central Receiver Test Facility (CRTF). "We'll be looking at how well the heliostats work and how well they hold up under severe weather conditions during our one-year testing program," says Dan Alpert (6226), who leads the test/evaluation effort.

Heliostats — computer-controlled mirrors that track sunlight throughout the daylight hours and focus it on the receiver at a solar plant — have the dubious honor of being the most expensive of the plant's components, according to Dan. Their high cost reflects the quantity of material — silvered glass and heavy metal frames — required to build them.

"We estimate that the new stretched-membrane mirrors probably would cost up to 25 percent less than conventional heliostats," says Dan. "If they hold up over the long term during our test program, they just might open the door to construction, somewhere along the line, of commercial-scale solar central receiver plants. Until now, the high capital cost of plant components — especially heliostats — has pretty much barred that door." (Thousands of heliostats would be needed in a commercial plant.)

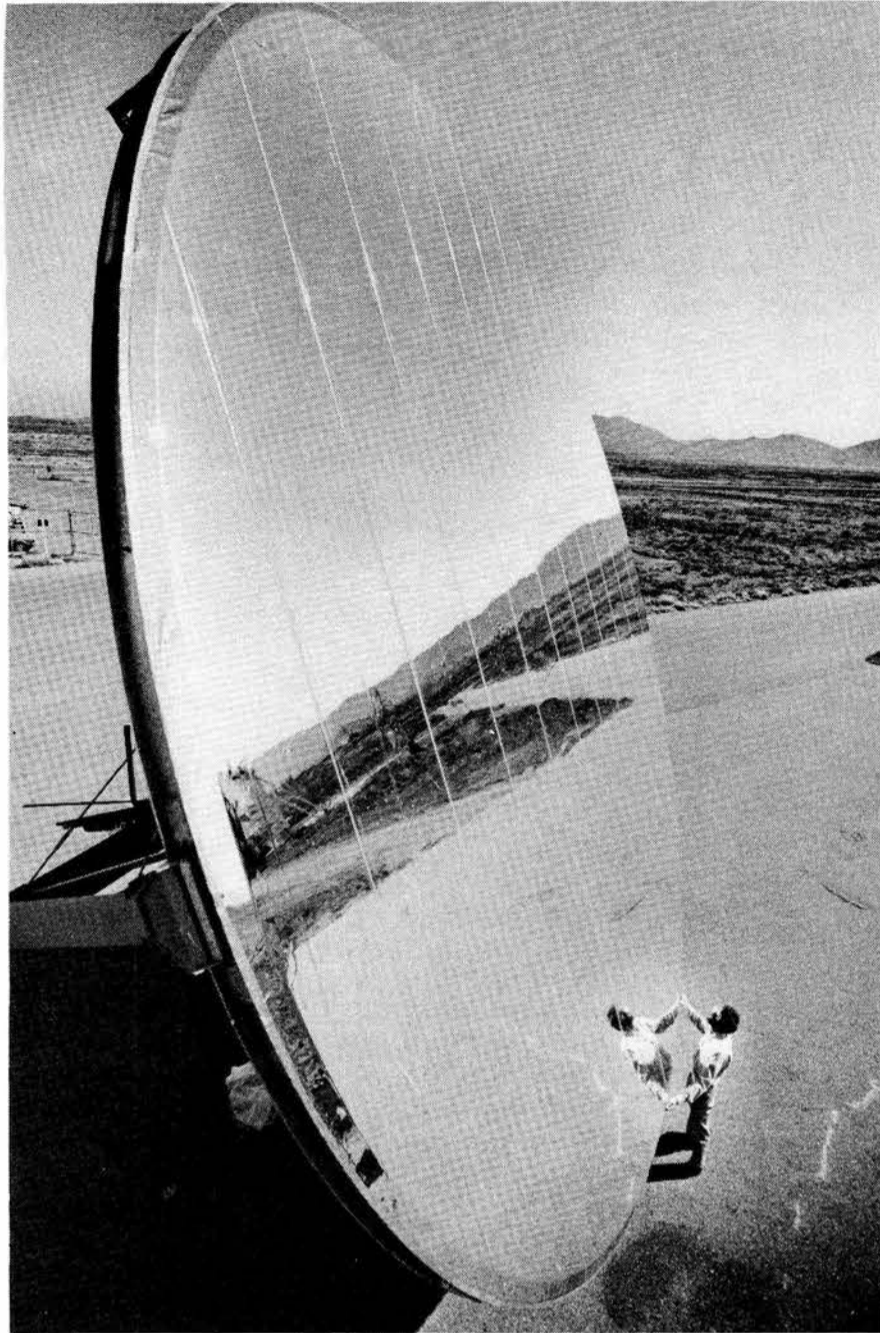
Simple Construction

Construction of the new heliostats is relatively simple. A thin metal membrane is stretched completely around and over both sides of a large, round metal ring that resembles a giant embroidery hoop (26 feet across for the two prototypes being tested at CRTF). A silvered polymer film is glued to the side that reflects sunlight to a receiver on top of a central tower.

One of the prototypes features a steel membrane, the other an aluminum one. They were designed and built by private firms working under contract to Sandia: Science Applications International Corp. (San Diego) and Solar Kinetics, Inc. (Dallas), which made the steel- and aluminum-membrane models, respectively.

The surfaces of both prototypes are 530 square feet, and both are very light. A membrane and support ring weigh about 2.2 pounds per square foot, compared to about 7.2 pounds per square foot for a conventional glass mirror assembly. The new heliostats' lighter weight and fewer parts mean reduced

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DAN ALPERT (6226) inspects one of the stretched-membrane heliostats being tested at the Central Receiver Test Facility. If the lightweight mirrors, which cost less than conventional heliostats, perform as intended, they could open the door to construction of commercial-scale solar central receiver plants.

LAB NEWS

VOL. 39, NO. 11 SANDIA NATIONAL LABORATORIES JUNE 5, 1987



SECURITY'S FACE — and function — are changing, a change the recent I & E audit was designed to survey. The South Force now has Viking vehicles, essentially Chevrolet Suburbans with bulletproof glass and tires, gun ports, some armorplating, and a mounted M 60 machine gun. Completely beefed up, the Vikings weigh about twice as much as their civilian counterparts. Modeled here by Inspector Ralph Garcia (3435), the Vikings can transport security people into an area where small arms fire is expected or serve as a mobile command post.

Audit Report's In

SNLA Security Programs Pass I&E Tests

DOE's Inspection and Evaluation (I&E) teams found Sandia Albuquerque's overall security to be sound during a review late last month. A follow-up report by DOE headquarters' Office of Security Evaluations (OSE) shows that SNLA received no unsatisfactory ratings.

The four areas appraised by OSE included computer security, material control and accountability, physical security of special nuclear materials (SNM) and classified information, and the effectiveness of the security force. These areas were broken down into 10 sub-areas such as administrative and technical controls.

The I&E audit covered facilities, programs, and staff performance — and included document reviews, interviews with employees, and several drills and exercises for the protective force.

Scope of the I&E appraisals was wide-ranging. As cited in the OSE report, tests of physical securi-

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Antojitos

No Classified They're called security inspectors, members of the protective force, members of the patrol divisions, or, commonly and colloquially, guards. And those were once adequate descriptors for the folks in Divs. 3434 and 3435.

But the forces of change are changing the force. No longer are its members basically industrial-type gate checkers. They're now police officers, if you will (with a subset, the Special Tactical Operations Personnel, or STOP force, that's a kind of SWAT team).

No, you don't see much change -- same old check your badge, check for classified, check your safes. But those same familiar inspectors are now trained in arrest procedures, suspect handling, building containment, hostage rescue, and the use of deadly (.357 revolver, .45-cal. pistol, M 16 rifle) and not-so-deadly force -- the police baton, for example, to control an unruly suspect.

And, no, they're not supposed to act tougher. But they're supposed to be tougher, to maintain the physical fitness it takes to respond to an intrusion alarm quickly and to the intruder efficiently.

The I&E audit checked the force's proficiency in all those skills and in general knowledge of Sandia and DOE rules and regulations as well. "They put us through the mill," says Bob Baca, 3434 supervisor. "Days, evenings, nights. They want to make sure we really can protect Sandia. And we did well in everything."

"We're proud, relieved, and exhausted -- but still ready!" adds Sam Ortega (3435), the STOP Force supervisor.

* * *

You've Heard of "Fair Weather Friends"? During an I&E exercise in March 1985, one of the assault exercises was called off because of bad weather. "Fair weather foes," commented Jim Mitchell (3160).

* * *

We Don't Play "Airplane" at Sandia. That's because it's just another pyramid scheme, which means it's exploitative, illegal, and stupid. But we do have a chain letter making the Labs rounds. Eleventh-generation Xerox, it's headed KISS SOMEONE YOU LOVE WHEN YOU GET THIS AND MAKE MAGIC, and it prattles on -- it's "been sent to you for good luck. It has been around the world nine times. You will receive good luck within four days, provided you in turn send it back out. This is no joke. You will receive it in the mail. Send copies to people you think need good luck. Don't send money, as fate has no price. It must leave your hands within 96 hours. . . . It works." The letter also includes "case histories" of people who kept the chain going and received \$70,000, \$2,000,000, \$7750, etc. -- and people who broke the chain and lost money or a spouse or a job or their life!

Lee Orear (6315) subjected the chain letter to some skeptical scrutiny before he sent me a copy. Some of his questions: How could the writer of the original letter know what happened to people who got it after he wrote the letter? The letter is written and sent anonymously, so how does the writer know the letter has been around the world nine times? If the originator's purpose is to spread love and luck, why are chain-breakers cursed with bad luck if they don't want to play the game? Is this a conspiracy to get us to use more copier paper? Or sell more stamps at the Post Office? Finally, "whom can I complain to if I don't get my good luck in four days?"

Lee, haven't heard from you for a week. You OK?

●BH

Fun & Games

Golf — The SWGA went to Socorro for a tournament on May 16. A Flight winners were: Minnie Shurick, first low net; Mary Gonzales (6331), second low net; Phyl White (5122), third low net; Lucy Gray, fewest putts; Ree Gerchow (122), longest drive and closest to the pin. B Flight winners were Theresa Mills (3724), first low net and longest drive; Dolores Chavez (1000), second low net; Peggy Burrell (3543), third low net; Vicki Black (2310), low putts; and Sheila Wilson (1234) was closest to the pin.

* * *

Outdoors — Backpacks, sleeping bags, shovels, lanterns, hatchets, canteens, stoves, grills, tents, mess kits, water jugs, and more can be rented from KAFB MWR Supply for a night, a weekend, or longer. You can also rent bicycles, baseballs, bats, gloves, volleyballs, nets, and other sports equipment, boats and trailers, motors, canoes, and campers by the day or weekend. MWR also sells hunting and fishing licenses and has maps of New Mexico recreation areas. An MWR card (\$24 per calendar year) is required to rent equipment. The Supply warehouse is located on "M" Street (between Wyoming and Texas) in Bldg. 20410, and is open 6:45 a.m.-4:30 p.m. Mon., 10 a.m.-4 p.m. Tues.-Thurs., and 6:45 a.m.-5 p.m. Fri. For more information, call 4-4990.

* * *

Board Sailing — SERP is offering beginner board-sailing classes starting June 11. Included are a two-hour ground school on Thursday and a one-day water class at Cochiti on Saturday or Sunday (student's choice). Learning is guaranteed, and certification allows equipment rental anywhere there's board sailing. Cost is \$41. Contact SERP on 4-8486 for more information.

* * *

Dancing — Children's ballroom dancing lessons are offered Mondays at the C-Club from 6:30 to 8 p.m. June 8 to July 27. Cost is \$18/person. Adults can learn C&W dancing on Mondays from 8 to 9:30 p.m. also at the C-Club in the Fiesta room. Cost is \$35/couple. Contact SERP on 4-8486 for more information.

* * *

Self-Defense — A Women's Self-Defense Seminar is scheduled for Mondays and Wednesdays, July 13 to 29, from 6:30 to 8:30 p.m. at the C-Club. Sign up at the SERP office or contact Christy Drewry on 4-9003 for more information.

Congratulations

To Renee Haynes (8261) and Larry Tehero, Jr., married in Virginia City, Nev., May 16.

LAB NEWS

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BARRY SCHRADER, Livermore Reporter

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SANDIA LIVERMORE honored three outstanding employee volunteers at the annual Corporate Community Volunteerism Council luncheon last month at the Pleasanton Holiday Inn. VP Dick Claassen (8000, left) congratulated Betty Carrell (8182) for her work with the Citizens Crime Prevention Advisory Committee and Chabot College Foundation as well as for other volunteer efforts over the years, Wes Estill (8441) for his 12 years of service on the Electron Microscope Committee at Delta College, and Lynda Hadley (8186) for her work with Buenas Vidas Youth Ranch for several years. Livermore Mayor Dale Turner (right) also attended the event, at which some 30 companies honored their outstanding volunteers. Emcees for the event were San Francisco TV personalities Terry Lowry and Fred LaCosse.

Traveling Trophy to 8200



COMPETITIVE CADRE comes off the starting line at the sound of the gun.



DEBONAIR BUT DEFEATED DIRECTOR Peter Mattern (8330, left) had to give up the Directorate Challenge traveling trophy to arch-rival (all local rivals are arch) Ron Detry (8200), whose directorate captured the trophy for most participation.

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HUNDRED WALKERS followed the runners at a leisurely pace.



MEMBER OF THE ESCARGOT running team, complete with snail "antlers," was Nick Wittmayer (8186).

More than 90 people from the 8200 Directorate turned out for the fourth annual Directorate Challenge run/walk on May 22, capturing the traveling trophy from 8300 for the most participants.

The 8200 group had a respectable 33.2 percent showing, while 8020 came in second with 19 people and a 28.4 percent figure. The other three directorates came in considerably behind those numbers. Total participation was 197 Livermore Sandians.

First man to cross the finish line was Rob Barlow (8362) running the 2000-metre course in 6 minutes 23 seconds. The first woman finisher was Donna Edwards (8234) with a 10:37 time. The second through fourth place male finishers and their times were Michael Alley (8265) with 6:27; Glenn Kubiak (8343) with 6:33, Dick Steeper (8361) with 6:34, and Bill Wilson (8230) with 6:34.

Among the women placing behind Donna were Winalee Carter (8431) with 10:47, Karen Sheaffer (8235) with 10:50, Kelly Dankiewicz (8271) with 11:21, and Terry Porter (8235) with 11:32.

Those folks, however, were not necessarily the



WINNERS RECEIVED TROPHIES/MEDALS the following day: seated, from left, Rob Barlow (8362), Bill Wilson (8230), Betty Pimentel (8236), and Donna Edwards (8234). Race co-chairs Dan Dawson (8243) and Barry Bolden (8161) overlook the well-adjusted winners.

winners and placers in the event. To protect Sandia's reputation as a high-technology laboratory, elaborate computations determine winners by an adjusted score based on age and finishing time. Real winners, then, were Bill Wilson (8230) with a 5:17 adjusted time and Betty Pimentel (8236) with a 9:15 adjusted time.

Next in order among the men were Joe Trembl (8464) with 5:34, Barry Bolden (8161) with 5:45, Dick Steeper (8361) with 6:00, and Bob Green (8362) with 6:08. For the women, the winners behind Betty were Donna Edwards (8234) with 9:17, Karen Sheaffer (8235) with 9:25, Winalee Carter (8431) with 9:27, and Holly Stryker (8161) with 9:50.

(Continued from Page One)

Heliostat

cost, according to Dan.

The six-inch space between the front and back membranes is airtight. The interior air pressure can be monitored by instruments and controlled automatically by a small, reversible blower. Normally, the blower maintains a partial vacuum to bring the centers of the front and back membranes about an inch closer together, resulting in a slightly concave mirror surface that reflects a tightly focused beam on the receiver.

The pressure-control system would also allow operators to quickly increase pressure in the space to defocus the beam in case the receiver should become overheated.

Should Be Rugged, Reliable

"It's vital that heliostats for a solar central receiver plant be rugged and reliable," Dan points out. "That's why we'll subject the prototypes to severe-weather tests. We want to see how they hold up in, for example, strong winds and hailstorms."

The two stretched-membrane mirrors being tested are designed to operate in 27-mph winds and to survive 90-mph winds. They can be maneuvered upon operator command in winds up to 50 mph. Thus, in high winds an operator could position the face of a mirror parallel with the ground, minimizing the wind's force on the entire heliostat. It's also possible to move the reflective surface so that it faces away from wind-driven hail.

Early laboratory tests on a small steel membrane indicated that hailstones up to an inch in diameter traveling about 50 mph (75 feet per second) would damage the membrane but not cause it to fail completely.

"If either or both of the prototypes work as well as hoped, we plan to build and test larger next-generation versions," says Dan. "A 50-ft.-diam. mirror may be about optimum for commercial plants if the concept proves workable."

Significant SNLL Input

Solar researchers at Sandia Livermore conducted and coordinated most of the Labs' planning and design work on stretched membranes. Dan credits Tom Brumleve (now retired) for many of the ideas incorporated into the prototypes. Clay Mavis (DMTS, 8133), project leader at Livermore, believes reliable and cheaper stretched-membrane mirrors will greatly improve the outlook for solar power plants.

Even so, Clay points out that energy supply and demand, as well as prices, must change before large-scale solar electric plants become a reality. "For central receiver plants to be economically feasible," he says, "the demand for electricity will have to increase and fossil fuel prices will have to be higher. If or when these events occur, we want to make sure we have the best possible solar technology ready to go."

Researchers at the Solar Energy Research Institute (SERI) in Golden, Colo., also contributed to the stretched-membrane heliostat project, with analytical and laboratory-scale studies used to help select materials and structures.

•PW/Larry Perrine (3161)

(Ed. Note: Beginning Oct. 1, all Sandia solar projects will be managed by Albuquerque staff. Some projects are now in the process of being transferred from Livermore to Albuquerque.)

Congratulations

To Martha and Al (6242) Ortega, a son, Alex, April 26.

To Lisa and Johnnie (9213) Griego, a son, Derek Paul, April 30.

To Pamela and Gregory (1252) Mann, a daughter, Emily Robin, May 10.

Eva (1822) and Craig (2114) Wilcox, a son, Ian Zachory, May 17.



'MEET THE PRESIDENT' DAYS were sponsored by the Secretarial Committee, chaired by Vicki Black (2310, left). Several hundred secretaries attended one of the two morning sessions in the TTC. At each one, President Welber talked about the future of the Labs' weapons and energy programs and fielded questions from the floor.

For Your Benefit

Reasonable & Customary Questions Are Reasonable and Customary

Although the provision has been in the Sandia Medical Care Plan for more than 25 years, not all Sandians are aware that benefits payable under the Plan are limited to R&C (reasonable and customary) allowances for the type of medical services received.

R&C describes the fee that doctors in a defined geographical region commonly charge for a specific medical or surgical procedure. Provident (formerly Transamerica) determines the R&C allowances for the Sandia Medical Care Plan based on "fees data" gathered over a period of time; it then sets R&C at the 90th percentile of this data. Therefore most, but not all, medical charges will be at or below R&C. These R&C allowances are updated twice a year in order to keep them current.

Here's the important part: If you submit a claim for a charge that is covered under the Medical Care Plan, but that charge is higher than R&C, the Plan will not pay on that portion of the charge that is greater than R&C.

It is also important to remember that doctors have the right to charge any price for their services, but the Plan will pay only up to the R&C limit. You are responsible for paying the difference. Professional charges vary, and are strictly a matter between the doctor and the patient.

Here are some steps you can take to minimize any surprises in the total bill or the benefit payment. The money you save may be your own.

1. What to do before receiving non-emergency medical or surgical treatment:
 - A. Ask your doctor what the fee is for the medical or surgical procedure being recommended to you. This information can then be compared against the bill you receive following treatment.
 - B. If you wish, you also may check with other doctors' offices to find out their fees for the same procedure.
2. What to do when you receive emergency medical treatment:

When emergency medical or surgical treatment is required, you do not have the advantage of following the steps outlined above, but you can use the procedures outlined in points 3 and 4 below.
3. What to do once you receive a bill to file with Provident:
 - A. When you submit a claim, inspect the bill to make sure that the information is complete and correct and that it includes sufficient detail about the services provided to allow Provident to calculate the benefit accurately. The bills also must state the diagnosis.
 - B. To avoid delays in claim processing, make sure the information on the claim form is correct. For example, the social security number shown should be that of the

insured person, not that of a dependent; the form should be signed in all the appropriate blocks; and your current address should be clearly provided.

4. What to do if your claim is paid, but limited by R&C:

You may pursue any or all of the following options —

 - A. Discuss the fee with your doctor and let him or her know that it is above the R&C in your plan. Some doctors may accept the R&C determination and not charge you for the difference.
 - B. Pay your doctor the difference between his or her usual fee and the amount allowed as R&C. It is your responsibility to settle the difference between you and your doctor.
 - C. Follow the "Denial of Claim and Appeal Procedures" described on page 31 of your Medical Care Plan booklet if you believe that an appeal is warranted. Provident has the final responsibility for determining and administering R&C allowances and benefit payments under the Plan. Sandia's Benefits Department 3540 is available to assist you with plan interpretation and appeal procedures.

Finally, the Sandia Medical Care Plan is designed to provide you and your eligible dependents with comprehensive coverage to help pay for the cost of medical care. The cost of providing this coverage for all persons in the Plan last year was approximately \$25 million.

PSP Increase OK'd

The DOE has approved two increases in pension band values under the Pension Security Plan; the increases were announced on Dec. 9, 1986. These band values are used to calculate service, disability, and deferred vested pensions payable to eligible employees upon retirement or termination.

The first four-percent increase became effective Oct. 1, 1986, for retirements on or after May 31, 1986. Employees who retired since May 31, 1986, will receive a retroactive adjustment in mid-June. The June pension payments will reflect recalculated benefits based on the higher band value.

The second four-percent increase in band value will be effective Oct. 1, 1988, for retirements on or after Sept. 30, 1988. As announced earlier, special provisions apply to those employees working beyond age 65.

These increases are also subject to Internal Revenue Service approval. If not approved, these increases will be discontinued.

I&E Audit

ty systems, for example, "included hardware and procedures that are intended to control access to security interests and to detect, assess, and delay unauthorized activity."

Labs-Wide, Ongoing

"The I&E teams concentrated on evaluating Labs organizations specifically responsible for security readiness," notes Jim Martin, director of Security and Facility Support Services 3400. "However, the OSE report reflects an integrated, Labs-wide knowledge of security responsibilities and compliance with protection measures."

That's because "security is an ongoing process," Jim emphasizes. "It's also a total system, with all Sandians sharing security responsibilities. The security organization did not and cannot do this job alone."

I&E teams will be back in about 18 months to check on improvements and refinements recommended in May's audit report.

"Many people in all the organizations involved with security have been working hard all year," says Bob Wilde, manager of Safeguards and Security Services Department 3430. "Our job was to make sure we were doing an effective and thorough job of meeting our responsibilities for protecting people, information, and property. The OSE report illustrates that our long-range preparations were — and are — basically on target."

Achieving and maintaining an acceptable level of security takes a concerted, persistent effort, Bob adds. For example:

● **Computer Security.** Craig Jones, manager of Computer Services Department 2610, gives the top credit — for integrating the computer security system with others at the Labs — to the cross-organizational Safeguards and Security Working Group. Computer Security Division 2612 plays a big part in defining and implementing appropriate policies and procedures for Sandia, he notes.

"But we wouldn't have gotten the ratings we did," he adds, "without all the help from Communications and Operations Department 2630 — the people who actually control access to communica-

tions facilities and run the big computer programs — and from the five divisions in Network Design Department 2640 that are responsible for implementing security policy via the master programs. I salute the 90 assistant computer security officers who implement security procedures locally — and the thousands of computer users who cooperate with them."

However, Craig notes, "Just because we all passed muster at the I&E audit doesn't mean any of us can rest on our laurels. We need to maintain a high level of readiness. For that we require continuing cooperation from everyone to achieve an even more secure yet interactive computer facility at SNLA."

● **Physical Security, Materials, Protective Force.** Don Jerome, supervisor of Security Plans, Coordination, and Awareness Division 3432, cites Technical Library Department 3140 "for carrying us through a review of physical security for one of our more critical document repositories," and Plant Maintenance and Operations 7810 "for fixing and upgrading essential hardware."

Don also commends Material Systems, Audits, and Investigations 3431 for its work on SNM and classified material control, Electronic Security Systems 3433 on intrusion detection, the two Patrol Divisions (3434, 3435) on security inspector performance, Access Control and Administration 3437 on firearms proficiency and the physical standards program, and Emergency Preparedness 3438 on training.

"We also appreciate the assistance provided by Systems and Appraisal 3411, Facilities System Development 5212, Health Instrumentation 3313, Adversary Analysis 7234, and Reactor Development and Applications Department 6450," he notes.

Thanks to All

"In summary, those directly responsible for coordinating security did an exceptional job," says EVP Lee Bray (30).

"But that's not all," he emphasizes. "Everyone at SNLA demonstrated that security is taken seriously here, at all levels — and that we all understand our responsibilities and can meet our obligations." ● ID



SANDIA WINNER of photo contests that were part of the Industrial Photographers of the Southwest annual convention last month was Diana Helgesen (7556). Shot of helicopter hovering above the Arctic snow took second place for best color "on the job" photo. Mouse caught in act of outwitting a mousetrap earned her the Photographers' Choice ribbon and a year's use of the traveling trophy in foreground. (If you're a professional photographer, IPSW president Leroy Perea, 7556, would like to chat; give him a call on 4-4404.)

Events Calendar

June 5 & 6 — The Albuquerque Ballet Company Tenth Anniversary Gala, features two new ballets and excerpts from "Spartacus"; 7:30 p.m., KiMo Theatre, 884-0999 or 265-8150.

June 5-7 — "The New Odd Couple," Neal Simon play, Felix and Oscar become Florence and Olive; 8 p.m. Fri., 6 & 9 p.m. Sat., 2 p.m. Sun.; Albuquerque Little Theatre, 242-4750.

June 5, 8, & 10 — June Music Festival: Guarneri String Quartet; 8:15 p.m., Woodward Hall, 881-0844.

June 5-22 — Exhibit, Isleta pottery by Stella Teller and family, 9 a.m.-6 p.m., Indian Pueblo Cultural Center, 843-7270.

June 5-28 — "True West," Sam Shepard's Southwestern classic; 8 p.m., Vortex Theatre (Central & Buena Vista), 247-8600.

June 5-July 31 — Exhibit, "Maya: The Image from the Western World"; 9 a.m.-4 p.m. Mon.-Fri., 10 a.m.-4 p.m. Sat.; main gallery, Maxwell Museum of Anthropology, 277-4404.

June 5-Aug. 31 — Exhibit, "From the Center Place: Contemporary Zuni Pottery and Its Makers"; 9 a.m.-4 p.m. Mon.-Fri., 10 a.m.-4 p.m. Sat.; Maxwell Museum of Anthropology, 277-4404.

June 6 — Summerfest '87: Greek Night, 5-10 p.m., Civic Plaza, 768-3490.

June 6 & 7 — "Love and Dalliance," music from medieval and Renaissance periods performed by Musica Antigua de Albuquerque, instruments include vihuela da mano, psaltery, oud, vielle, cornetto, and crumhorn; 8:15 p.m. Sat., 4 p.m. Sun.; St. Thomas of Canterbury Episcopal Church (425 University NE), 842-9613.

June 6-July 26 — Exhibit, "Clay in '87," New Mexico Potters Association; upper gallery, UNM Art Museum, 277-4401.

June 6-Aug. 2 — Exhibit, "Mickey McConnell: A Personal View of the Ancient World"; Jonson Gallery (UNM), 277-4967.

June 7 — New Mexico Jazz Workshop, Sunday Jazz at Madrid: Latin Day; 3 p.m., Oscar Huber Memorial Ballpark (Madrid), 842-6659.

June 8-14 — New Mexico Hunter Jumper Horse Association Show, all arenas, NM State Fairgrounds, 265-1791.

June 12 — Concert, Chamber Orchestra of Albuquerque, featuring cellist Joanna de Keyser; 8:15 p.m., Albuquerque Little Theatre, 881-0844.

June 12-14 & 26-28 — "Kiss Me Kate," Albuquerque Civic Light Opera Association production of Cole Porter adaptation of Shakespeare's "The Taming of the Shrew"; 8:15 p.m. Fri. & Sat., 2:15 p.m. Sun.; Popejoy Hall, 345-6577 or 277-3121.

June 12-28 — "Betrayal," Harold Pinter play about "the eternal triangle" of a husband and wife and wife's lover; 8:30 p.m., Corrales Adobe Theatre, 898-3323.

June 13 — St. Anthony Feast Day, Corn Dance, Sandia Pueblo, 867-3317.

June 13 — "Grab Day," pueblo adults with same name as patron saint of the day (San Antonio) climb up their roofs and toss off gifts; Cochiti Pueblo, 465-2244.

June 13 — "Fancy Flea Fair," sponsored by the Museum Foundation; 9 a.m.-7 p.m., The Albuquerque Museum, 242-0434.

June 13 — Concert, the Albuquerque Festival Choir, benefit for the Albuquerque Chapter of Mothers Against Drunk Drivers; 7:30 p.m., Central United Methodist Church (1615 Copper NE), 243-7834.

June 14 — Concert, the Albuquerque Philharmonia Orchestra, conducted by Willy Sucre; 3 p.m., KiMo Theatre, free, 265-0283.

June 15-21 — Arabian Horse Show, all arenas, NM State Fairgrounds, 265-1791.

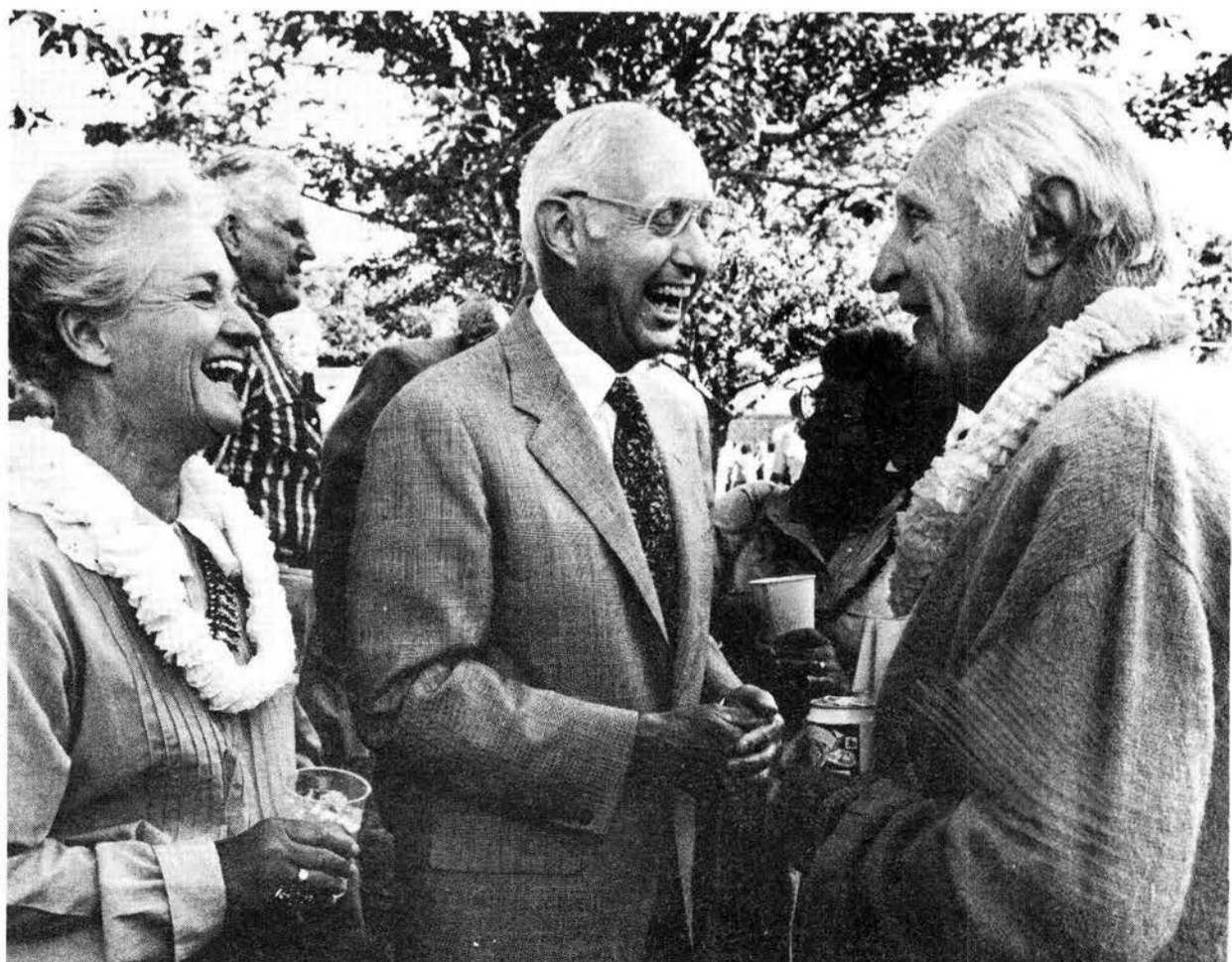
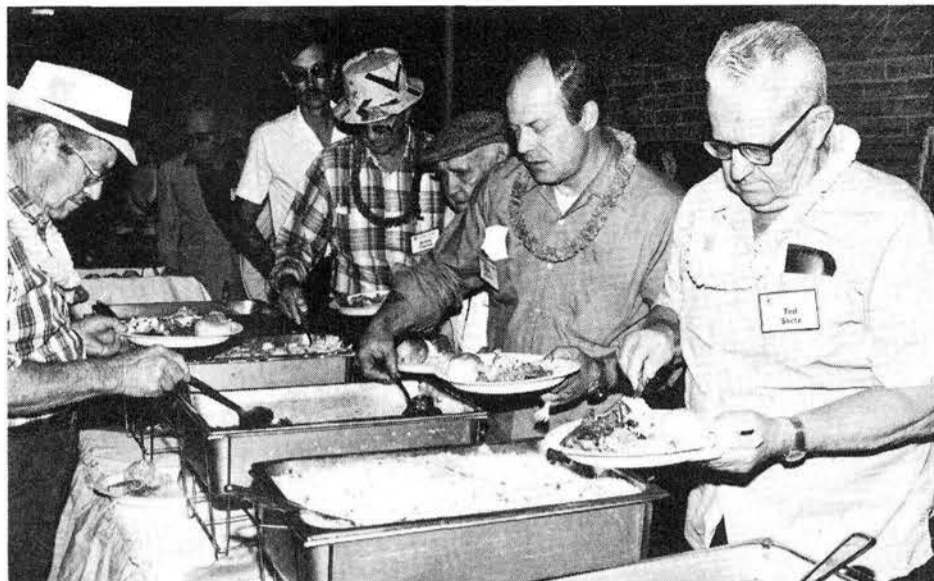
June 17 — Queen Ida and the Bon Temps Zydeco Band, sponsored by the South Broadway Cultural Center, performing "zydeco," a mixture of blues and French Cajun music; 7-9 p.m., Tiguex Park (across from The Albuquerque Museum), free admission, 848-1320.

Retirees Gather for Annual Picnic

Cool winds and threatening rain couldn't dampen the warm spirits of 1772 retirees and their Sandia hosts and hostesses who gathered at the Coronado Club on May 21 for the 22nd annual Retiree Picnic.

Lots of memories, lots of smiles . . .





Take Note

Bob Durand (3413) was recently elected to the 39-member board of directors of the newly formed New Mexico Coalition on Literacy. The coalition was formed to coordinate efforts around the state, share information on teaching methods, and increase public awareness about the problem of illiteracy.

* * *

The Trinity Forum for International Security and Conflict Resolution will sponsor a panel dialogue, "Nuclear Deterrence: Considering the Alternatives," on June 6 at 9:30 a.m. at La Posada (2nd and Tijeras NW). Dialogue participants include Sen. Pete Domenici; John Bode, VP for National Defense Architectures, BDM; Roger Morris, former senior staffer for the National Security Council and aide to Sen. Walter Mondale; and Louis Rosen, Senior Fellow, LANL. The Trinity Forum is a "non-partisan center for dialogue on peace and security issues dedicated to moving the debate on star wars, deterrence, and other defense issues off dead center"; one member of its advisory board is Roger Hagengruber (9000). Tickets to the event are \$25, which includes a breakfast; call 265-4836 for reservations.

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Herrick Lauson (ret.) was recently appointed an alternate member of Technical Committee X3J3 of the American National Standards Institute, the committee responsible for support and revision of the programming language FORTRAN.

* * *

The New Mexico Network for Women in Science and Engineering has scheduled a dinner meeting for June 17. The speaker is Liz Stefanics, "Discovering Your Power — Personal and Professional." Members will also make short presentations on their work in progress. Call Jennie Negin (3411) on 4-3202 or Ellen Cronin (6330) on 4-2475 for reservations and information.

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Beginning in September, the UNM Economics Department will offer an evening program leading to an MA degree in economics. LAB NEWS (Bldg. 814) has a brochure that describes the program.

* * *

The Indian Pueblo Cultural Center helps elementary- and mid-school-age children learn about Pueblo Indian culture through its Sixth Annual Children's Program of integrated arts and crafts showing how to prepare for a feast day. Sessions on dancing, clothing design and construction, ceramics, jewelry-making, cooking, and language training will be presented by Tony and Cathy Purley of Laguna Pueblo.

The program runs June 22-26 for children ages 6-9 and June 29-July 3 for ages 10-13. Daily sessions are from 9 a.m. to noon in the Model Pueblo House at the Center. Fees are \$20. For more information, contact Fred Sturm on 277-3046.

* * *

Judge Edward O'Farrell will speak at the Drinking and Driving Lecture Series sponsored by Mothers Against Drunk Driving and the New Mexico Traffic Safety Bureau, on June 10 at 7 p.m. in the Zuni Room of the Quality Inn (717 Central NW). Judge O'Farrell, New Philadelphia, Ohio, Municipal Court, has gained national attention for his handling and sentencing of people convicted of alcohol and drug-related traffic offenses. For more information, contact MADD on 243-5219.

* * *

Saturday Night Wild at the Rio Grande Zoo promises to be wilder than ever on June 20. Plenty of entertainment (including Linda Cotton, Sweet Adelines, belly dancers, yodelers, cloggers, magicians, clowns, and more), food, and games (children's mask contest) is offered from 6 to 10 p.m. Knights and ladies from the Society for Creative

The letter from IVA, the Ingenjörsvetenskapsakademien, or Royal Swedish Academy of Engineering Sciences, reads as follows: "We have the great pleasure to inform you that the IVA elected you as a foreign member of the Academy. We wish you most welcome to our Academy and we hope that mutual benefit shall be gained through your membership."

The recipient of the letter from the Academy, which is best known for its role in choosing recipients of Nobel Prizes, is Venkatesh Narayanamurti, VP Research 1000. Congratulations, Venky.

to their Fight-A-Knight game. Admission is \$3/adults, \$2/children ages 3-11 and senior citizens. Admission is free for children under 2 and children under 12 wearing masks. Park-N-Ride is available at 5th and Lead with a shuttle to the zoo and back for \$1/person, zoo admission/\$1. Capacity is limited to 7000, so avoid the long lines by buying advance tickets at the Zoo June 6, 7, 13, 14, and 20. For more information, contact Merri Lewis (1131) on 268-5025.

* * *

Retiring and not shown in LAB NEWS photos: Rose Griffin (7471), Dale Fastle (7556), Arthur Finlayson (7212), and Jim Armijo (3434).



MAKING A MOVE TOWARD FUTURE CHAMPIONSHIPS is Warren Miller (6312), winner of the Grand Prix Chess Tournament held in Santa Fe on May 9 and 10. Warren, who hasn't competed since winning the New Mexico State Chess Championship in 1982, won in the Class A, Expert, and Master players division of the tournament. He has been state champ six times since he started tournament play as a teenager in 1952.

feed it

Q. The Transamerica claims settlement form includes the statement, "Expense for routine exams, tests, immunizations and other preventive care is not covered by your policy." In view of the current emphasis on wellness and preventive care rather than corrective care, aren't some appropriate changes in order?

A. Since Transamerica does not use a "claims settlement" form, we assume you are referring to the remark codes used by Transamerica on its Explanation of Benefits (EOB) form. Sandia's comprehensive Medical Care Plan is intended to help protect you from financial hardship associated with major medical expenses rather than the relatively minor expenses of routine and/or preventive medical care for which the employee can plan and budget.

In addition, employees can take advantage of the regular physical examination program run by Sandia Medical. Physical examinations, which would cost more than \$250 if done by a physician in the Albuquerque area, are provided at no cost to regular on-roll employees in accordance with the following schedule:

- under age 40
every 4 years (first exam
after 5 years of service)
- age 40 - 49
every 3 years
- age 50 - 59
every 2 years
- age 60 and over
every year

The current benefit structure of the Sandia medical plan is modeled after the AT&T medical plan. This plan is only a part of Sandia's benefit package for employees and is continually evaluated to remain competitive both locally and nationally. Currently, no provisions for coverage of routine physical examinations are being considered.

Ralph Bonner - 3500

Q. I joined the SPSE to buy shares in AT&T. I am now told it is a retirement plan. Our investment plan is no longer. I don't need another retirement plan. When is Sandia going to offer an investment program again? Many of us here are upset by the new system's holding our investments hostage for twenty years or more when that is not what we put our money into. Savings plan does not mean retirement plan. Stock purchase is different from retirement income.

A. The AT&T Savings Plans are classified as "employee pension benefit plans" under ERISA (Employee Retirement Income Security Act of 1974). The Federal Tax Reform Act of 1986 altered the income tax rules applicable to withdrawals and distributions from the savings plans. The Act, however, did not amend or limit the types of investment funds in the plans. Although the Tax Reform Act had a disconcerting effect on some plan participants, the plans still provide good vehicles by which employees can accumulate savings.

Ralph Bonner - 3500

Q. According to the 12/11/86 Weekly Bulletin (AT&T Savings Plan portion): "Withdrawals from either the after-tax or the 401(K) portion of your savings plan are not subject to the early withdrawal penalty if you're at least 59-1/2 years old, or you receive a distribution due to retirement on or after age 55 . . ." (my emphasis) Does this mean that retirement withdrawal rules have been changed in midstream for people retiring before the age of 55? Explanations of both our original after-tax savings plan (see Summary of Bell System Savings Plan for Salaried

Shy, Little-Known NM Resident Is Focus of Chiroptera Chat



For most of us, the only — and best — look at bats we've ever had is seeing a great cloud of them take off from Carlsbad Caverns on a

summer evening. If you thought you were seeing only one kind of bat during that visit to the Caverns, think again; 15 species inhabit the area!

New Mexico has a rich array of these gentle and elusive creatures, according to Scott Altenbach of UNM's Department of Biology, who's been studying the little critters for many years. He'll talk about them at the next Community Focus program on Thursday, June 11, at 12 noon in the Technology Transfer Center.

Batman, New Mexico Style

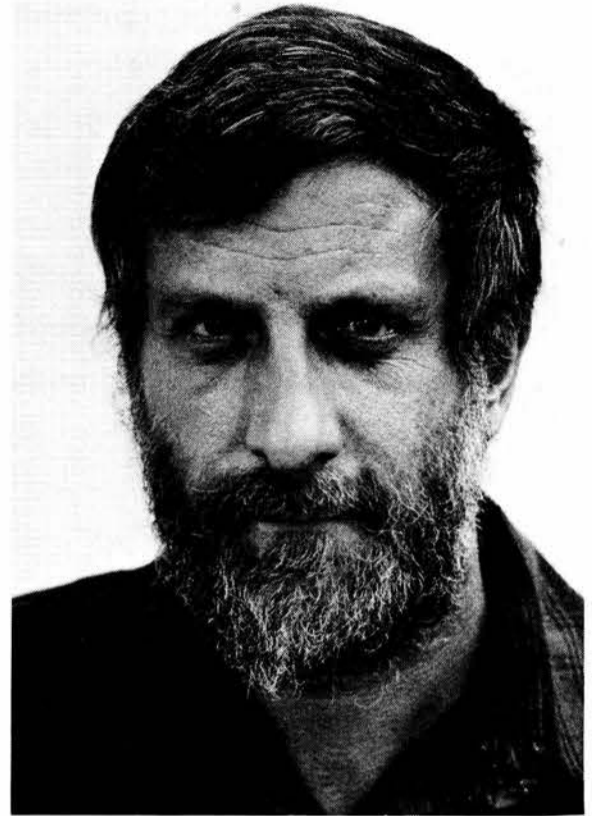
Altenbach, who might be called New Mexico's answer to Batman, is an internationally recognized expert on bats. Bat photography's one of his specialties; the creatures are interesting photographic subjects, he says, because of their unique adaptations for flight and nocturnal hunting that give them a particular beauty and grace. Altenbach's had grants for filming bats from organizations such as the British and Canadian Broadcasting Corporations, the National Park Service, and the Smithsonian.

Sandians who attend the Community Focus talk will see some of that high-speed footage showing these small mammals as they capture invertebrate prey, drink from the surface of a pool while on the wing, and execute turning maneuvers in flight.

Humans present the greatest threat to bat survival, Altenbach says. Agricultural pesticides endanger populations of insect-eating bats; even minor disturbances of bats at their hibernating sites and maternity roosts may be fatal. The constant need for more space for people, their crops, and livestock takes a toll: loss of the furry fellows' natural habitat.

Unfounded Fears

Above all, Altenbach preaches the message that human attitudes — usually reflecting unfounded fears



SCOTT ALTENBACH

(bats/belfry phobia?) — must shift to an outlook of understanding and respect if chiroptera (bats) are to stay off the endangered species list. In fact, he says, bats have been protected at Carlsbad Caverns since 1923; "Bats Need Friends" is the motto on a lapel button available at the Caverns.

Altenbach received his PhD in biology from Colorado State University, and did postdoctoral work in microbiology at CSU. He joined UNM's Biology Dept. in 1972 and has been an associate professor since 1975. In 1984, he was one of two UNM faculty members to be named "Outstanding Undergraduate Teacher of the Year."

He's the author of more than 20 publications and papers on chiroptera, and recently co-authored a booklet, "Bats of Carlsbad Caverns National Park," published by the Carlsbad Natural History Assn. this year.

iback

Employees, issued in 1976) and the after-tax 401(k) plan begun last year (see The Source for Savings) definitely state that the current value of one's account is payable **in full** upon retirement from active service; neither prospectus says anything about age limitations. If I'm interpreting the bulletin correctly, the only portion of the savings plan that a 53-year-old person who's retiring could withdraw without penalty would be the after-tax portion of the savings plan that he or she contributed before Dec. 31, 1986. Say it isn't so!

A. The AT&T Savings Plan provisions governing the various types of distributions available to retiring employees from the savings plan have not been changed. However, the Tax Reform Act of 1986 has generated new rules that govern how distributions and withdrawals are taxed by the IRS. An employee who retires prior to age 55 and who elects a lump sum distribution will receive from AT&T the entire value of his/her account. The taxable portion of the distribution is subject to a federal penalty equal to 10 percent of the taxable amount in addition to the normal income tax. The taxable portion of a lump sum distribution is equal to the value of the distribution less the employee's after-tax contributions, included in the distribution, regardless of when the employee made the contributions. This is assuming the employee had never used those employee contributions to offset taxes that would have been due on previous withdrawals or distributions.

Ralph Bonner - 3500

Q. The non-exempt employees of my division are required to be on-call and to carry a beeper outside of normal work hours. A response time of one hour is required. A rotating schedule has been set up, with each person being on-call for one week. SLI 4120 states that the employee is to be paid at overtime rates for the time worked in the call-in, including reasonable travel time to and from home, but not less than the equivalent of four hours pay at the employee's straight-time rate. When on-call, an employee must stay in town and give up a certain amount of freedom of choice. Other than emergency call-out pay, the SLIs do not mention compensation for the non-exempt employees who are required to be on-call. A common practice for companies that have an on-call requirement is to pay either an hourly rate or a rate based on a percentage of the employee's hourly rate for that period of time he/she is required to be on-call. Can a non-exempt employee be required to be on-call without compensation?

A. The U.S. Department of Labor has ruled that an employee who is not required to remain on the employer's premises but is merely required to leave word at his home or with company officials where he may be reached is not working while on-call. In 1969, the Department of Labor's Wage-Hour Administrator was specifically requested to determine whether a non-exempt employee who was required to carry a pager was entitled to compensation during periods while on-call. The Administrator ruled that the requirement to carry such a device, by itself, does not entitle an employee to additional compensation.

It does not limit employees' freedom to come and go as they please nor interfere with their freedom to engage in personal activities during periods of idleness when they are subject to call; the situation is comparable to situations in which employees are merely required to leave word where they may be reached when on-call. Accordingly, there is no statutory nor regulatory basis for non-exempt employees to receive compensation during on-call periods when they are merely required to carry a beeper or paging device.

Paul Stanford - 100

AT&T Savings Plans

The following are the Earnings Factors for February and March 1987 for the AT&T Savings & Security Plan and the AT&T Savings Plan for Salaried Employees, and the February Earnings Factors for the AT&T Voluntary Contribution Plan (VCP). There are no Earnings Factors for the VCP for the month of March because the VCP ended Feb. 28.

	Earnings Factors	
	February	March
SPSE (Savings Plan for Salaried Employees)		
AT&T Shares	.9077	1.0647
Government Obligations	1.0033	1.0004
Equity Portfolio	1.0530	1.0203
Guaranteed Interest Fund	1.0073	1.0082
Diversified Telephone Portfolio		
Unrealized Appreciation	.9528	.9906
Realized Appreciation	.0001*	.0090*
SSP (Savings and Security Plan - Non-Salaried Employees)		
AT&T Shares	.9053	1.0658
Guaranteed Interest Fund	1.0079	1.0081
Diversified Telephone Portfolio		
Unrealized Appreciation	.9528	.9903
Realized Appreciation	.0002*	.0090*
VCP (Voluntary Contribution Plan)		
AT&T Shares	.9094	
Mutual Fund Equity Portfolio	1.0299	
Money Market Fund	1.0037	
Guaranteed Interest Fund	1.0118	
Diversified Telephone Portfolio		
Unrealized Appreciation	.9536	
Realized Appreciation	.0000	

* The 1 has been removed from the earnings factor. Current month's DTP earnings may be calculated directly: Earnings Factor x DTP Current Worth = Current Month's Earnings

Parents — Come to the Fair (and Compare)

Dr. Merrie Rockwell's (3320) informal survey of 568 Sandians last year and Margaret Harvey's (3510) 60 or so follow-up interviews this year show that lots of parents have lots of questions about child care. Margaret has been working with Sandia management on organizing the Child-Care Information Fair, designed to provide some answers.

The Care Fair will be held June 9-10, in and around the TTC (Bldg. 825). About 40 child-care providers — of the 145 licensed centers in the Albuquerque metro area — will send representatives to answer questions and hand out brochures (see "What You'll Find" story).

There's a dual purpose to the fair. "Working parents at Sandia will have a chance to do some comparison-shopping — ask direct questions about the costs of care and the types of programs available in the Albuquerque community," says Margaret, the fair's coordinator. "Some 60 percent of those surveyed said yes, they'd like to attend informational meetings. And providers can hear about — and size up — the types of requirements, priorities, and preferences that Sandian parents have, as individuals and as a workforce."

No One Solution

Sandians' needs for day care are wide-ranging, as the interviews with parents show:

- Age — parents of infants tend to prefer care in their own homes, while parents of pre-schoolers generally look for a "home away from home."

- Payment — "the costs of care at licensed centers are often much higher than what many Sandians are willing or able to pay," says Margaret. "Fifty percent said they wouldn't pay more than \$40-50 a week for each child." (That's about the charge for Kirtland's day-care centers, where Sandian families comprise 16 percent of the enrollment.)

- Scheduling — some parents want full-time care for their children (and for all the other children in a program, to avoid disruptions); others want regular part-time care. Still others require only "drop-in" services, as needed. The seasons of the year play a role here too — some parents need help only when school's out, particularly in the summer.

- Quality — for example, what exactly constitutes a good program? What is the tolerable turnover among day-care staff? How few children should a staffer watch over at one time?

"There appears to be no single solution that'll work for everybody," said one of four Sandians interviewed by Margaret at a session two weeks ago. "We have a whole gamut of concerns."

Just in that group of four, there was:

A woman who is keeping her second child at home for three years by "renting a granny" for \$600 a month.

Another woman who is expecting her first child and intends to take six months off (with help from part-time baby-sitters) and then "see what happens."

A man who is looking — with his spouse — for one or more couples with kids to form a cooperative for sharing day-care.

Another man who has taken his two sons to day-care centers for a few years — he wants them brought up with their peers, but he's always on the lookout for a better place.

Such diversity in preferences is what convinced management to have Sandia sponsor the Care Fair. "Sandians want more information on the local options," Margaret says. "People can't take enough time away from work to visit a large number of day-care centers during business hours. Many of them use up all their vacation time for emergencies — taking care of sick children or looking for a replacement baby-sitter."

"Nationally, 80 percent of the workforce must worry about child care at some time," she notes. That's a lot of people bringing family worries to work.

The Care Fair is a convenient way of addressing the issue. "Management understands that child care is an ongoing concern for many Sandians," Mar-



CONCERNED PARENTS Otto Simon (2831) and Laura Brown (5127) are two of the 60-plus Sandians interviewed by Margaret Harvey (3510) on child-care needs.

garet says. "By holding the fair, the Labs can assist its employees in exploring some local options for their child-care needs."

And Margaret will continue studying the issue. She will attend a conference to consult with special-

ists on creative corporate approaches to the problem and she will report on her conclusions.

Most Content with Extended Family

The majority (55 percent) of Sandian parents surveyed said they were happy with their ongoing arrangements. The Sandians happiest with day-care have help from their families — particularly when a relative comes to their homes (68 percent). Next were those who use a day-care center or pre-school (57 percent). Then those who drop their children off at a relative's or friend's home (53 percent).

But what about the Sandians who don't have the extended-family option? "Parents are taking what they can get," says Margaret. "And some who said they're happy with the help they're getting said later that they're not really happy, but resigned." Some settled for second or third preference — for now.

Needs Localized in NE

Sandian parents do have a few things in common. Most (39 percent) take their children to day-care or pre-school. These folks — along with others having help from a non-relative — are also the least happy with their arrangements.

And those actively seeking better care for their children tend to live in the Northeast quadrant of Albuquerque (59 percent), use the Eubank gate (57 percent), and would consider driving their children to a day-care center close to the Labs (63 percent).

However, some parents of older children would most like a pre- and after-school facility within walking distance of home or school. ●ID

Chance to Mix and Match

What You'll Find At the Fair

For two half-days next week, the Tech Transfer Center (Bldg. 825) will be transformed into an information exchange on child-care options.

The fair will be held Tuesday and Wednesday from 10 a.m. to 2 p.m. All Sandia parents are invited.

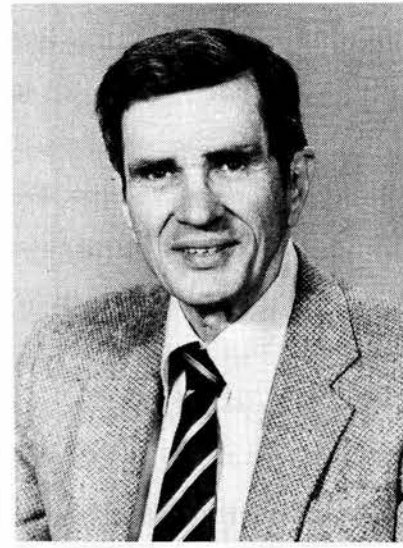
Forty local day-care centers will have table space in the TTC — and outside, if the weather holds up — to hawk their wares. Two providers planning to build new centers at several sites in Albuquerque will be on hand to both ask and answer questions. A Sandian interested in forming a private babysitting cooperative will start a sign-up list. And Care Fair coordinator Margaret Harvey (3510) will make available summaries of the Sandia survey on child-care needs (see "Parents — Come to the Fair").

There will be snacks for sale and, more importantly, (free) food for thought: A video on innovative approaches to child-rearing, "Work and Family: Walking the Tightrope" is a 30-minute documentary produced for employers and working parents by the Bureau of National Affairs.

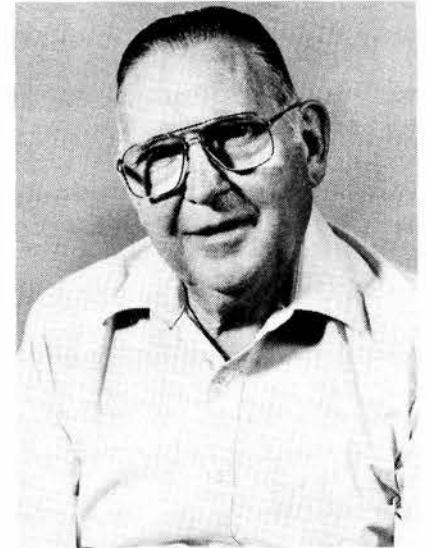
Retiring



Leroy Paulson (7556)



38 yrs. Dick Heckman (7241)



26 yrs. Dick Demmel (143)

31 yrs.

Ski Patrol History: A 50-Year Sweep

The Sandia Peak Ski Patrol has only one cross-country (X-C) patroller, John Shunny (ret.), among its 60 or so members. The domain for John's rescue and first-aid mission is some 20 miles of X-C trails north of the downhill ski area and the paved road to Sandia Crest.

The greater solitude of the single-file Nordic style and the remoteness of those off-the-sit-z-path trails give him a King of the Mountain's vantage point. Perhaps that's why he became the group's chronicler. At any rate, he recently wrote *The Sandia Peak and La Madera Ski Patrol — A History: 1937 to 1986*, published by the patrol.

(John has also been a downhiller for many years. And, certainly, having been the LAB NEWS editor from 1968 to 1982 must have contributed something to the writing effort as well — if only the tactful assignment of Chapter 13 to his own X-C exploits.)

Improvisation at La Madera

Back in the late 30s, downhill skiing was emerging from its first decade in the U.S. as a sport for professionals and becoming more of a social event. Taos Ski Valley didn't exist.

Albuquerquean Bob Nordhaus had caught the ski bug and formed a local ski club that cleared a few trails in the Sandias with the help of the Forest Service. They named the area La Madera for the canyon and village below it. (The area was renamed Sandia Peak in '63.)

There were no chair lifts at first. An old Chevy motor powered a rope tow at the ski area and Model A wheel rims supported the moving rope.

Albuquerque Ski Club member Neil Foley (who still lives in Albuquerque) was the first ski patroller — in '37, still a rather informal rescuer of downhillers. In '46-'47, the first season after WW II, there were nine patrollers (and seven trails). One of their mundane roles was to pack the snow — by sidestepping down the slopes on their skis (Snow Cats are used in today's mechanized age). For their hard work in rescue and maintenance they got to wear a schuss-buckling uniform: arm bands and a fanny pack with a first-aid kit (rust-colored parkas came later).

Initial access to Sandia Crest was by dirt road — topped heavily with mud or snow, depending on time of year. A rerouted road was paved in '58. (A stretch of the old road can still be spotted from the highway, between Doc Long's and Tree Springs.)

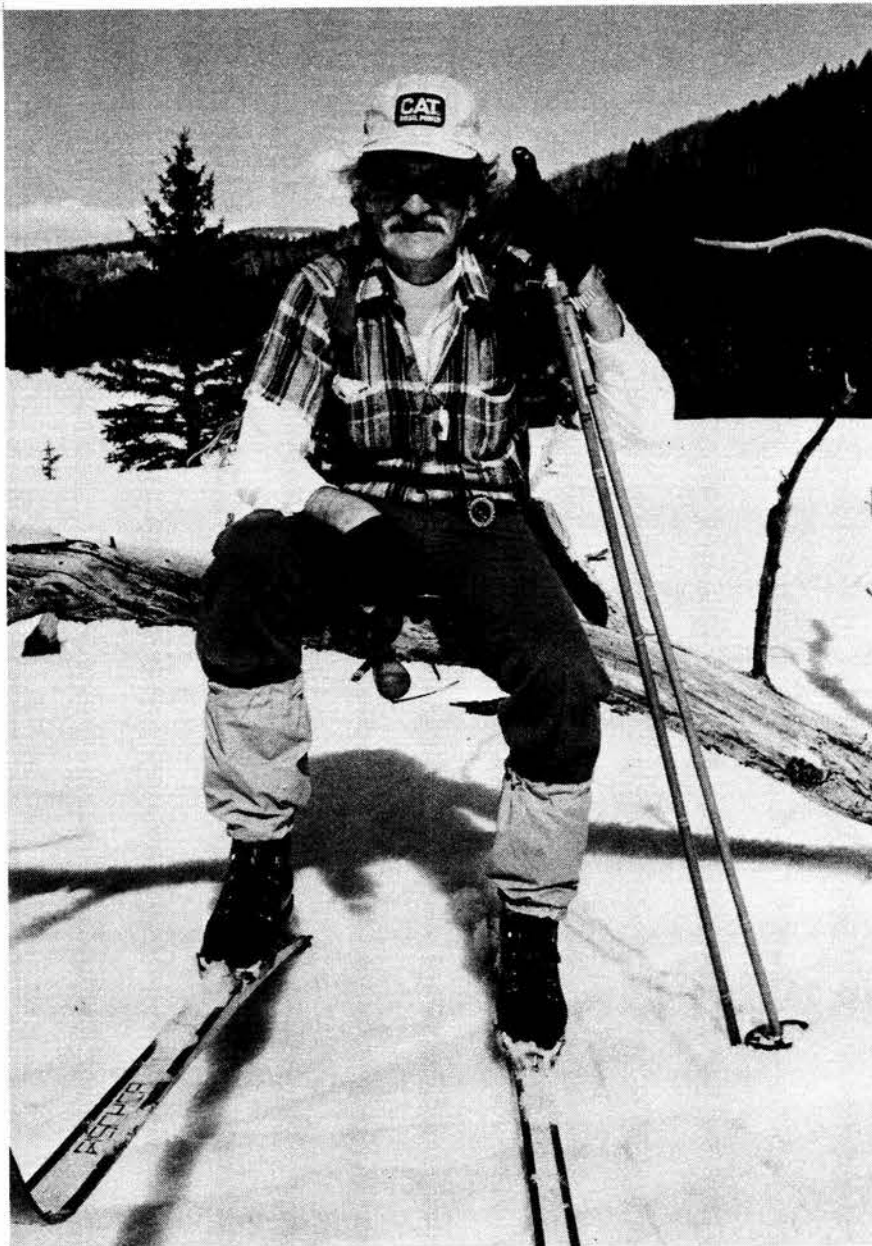
Then, in the early 60s, a breakthrough. "The chair lift brought women to skiing," says John. The upshot was that the patrol turned co-ed too. And the duty roster for weekdays (always tougher to staff than weekends) promptly filled out, as needed.

Ski Swaps for Self-Sufficiency

The Sandia Peak Ski Patrol was an all-volunteer effort then, as now. It was, and is, unique among the nation's ski patrols not only in running a seven-day-a-week operation but also in being self-supporting.

That self-sufficiency is possible only because of the Ski Swap, a consignment sale (every last weekend in October) of ski equipment and clothing. What began — with John as the first Swap chairman — as a small exchange of used items in '67 snowballed into an immense annual sale in the 30,000-sq.-ft. Agricultural Building at the Fairgrounds. Last time around and eight Swap chairmen later, the sale grossed \$200,000.

Not that the ski patrollers have kept the bundle they make every year. Their expenses as a rescue team are higher than some of the expert slopes they cover — Upper Diablo comes to mind. "Since '67, our patrol has neither received nor asked for any funds for its operating expenses, including liability insurance," says John. "And it's paid for all supplies and equipment, as well as NSPS [National Ski Patrol



SKIERS AND AUTHOR John Shunny (ret.) takes a short breather from patrolling. And writing — he recently published a 50-year history of the Sandia Peak Ski Patrol.

System] registration — those fees alone are more than \$4000 a year."

Thousands of Skiers Treated

Patrol members never know ahead of time just how busy they will be. They've seen glorious seasons (such as the 148 days of operation in '72-'73) and non-seasons (as in '66-'67, when Sandia Peak was open for one memorable day: March 7). The season just past came close to being the busiest with 130 days and an estimated 260 inches of snow and 101,000 skiers.

"The patrol treated 5845 victims from '63 to '86," says John. "There was only one fatality, 17 years ago — caused by a heart attack." About half of the injured are encountered on the trails and have to be brought down on rescue toboggans. The others walk — or limp — into the first-aid room on their own.

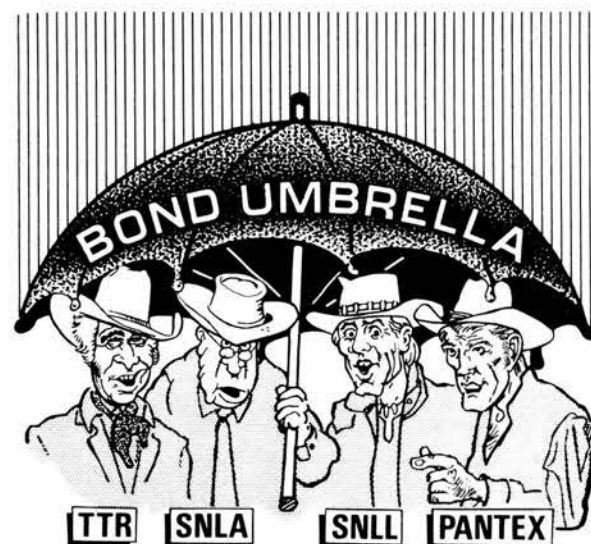
John was the last patrol leader to be appointed — he was named by Zelma Beisinger (1523), in turn, the last honcho at La Madera. Sam Stearns (DMTS, 7111) was the first elected leader — in '65-'66, when the group swelled to 40 members. (Sam has been the group's sole archivist for the past 25 years.)

At least 34 Sandians, including some retirees, have patrolled at one time or another during the patrol's 50 years. And some of them received "honorary doctorates" by being nationally certified: John, Zelma, Sam, also Keevin Moriarty (122), Hup Wallis (dec.), Pete Stirbis (1522), George Kinoshita (ret.), Paul Souder (DMTS, 5220), Dick Volk (7232), Don Bush (2525), Norm Elliott (ret.), and current patrol leader Jack Cyrus (9122).

John's book details the group's trails and tribulations — and falls and foibles, sprinkled gently with "patrolspeak" and anecdotes from some of the earliest ski-pioneers. There's the year the chair lift went backwards, the time a skier got caught in a waist-high avalanche, the patrol hut (aka "clubhouse") whose foundation was reinforced with empty beer cans, the revelry of the annual après-Swap party, and the collage of things — including autumn rites — patrollers do when they're not skiing.

The book comes with black-and-white photos, a chart of all 380 patrollers and individual seasons since the beginning, a chronology of the ski area's development, and other notes and stats for ski buffs. It's a paperback and costs \$9.95. Copies can be purchased (to benefit the South Highway 14 Project) at the LAB NEWS office in Bldg. 814. •ID

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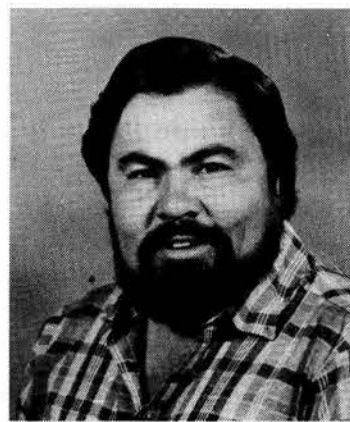
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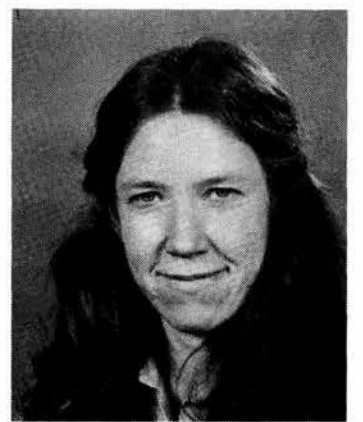
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Judy Wills (2831) 30



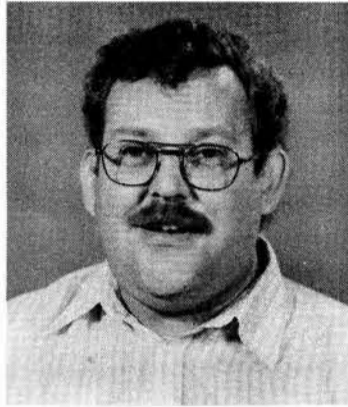
Dan Luna (7537) 15



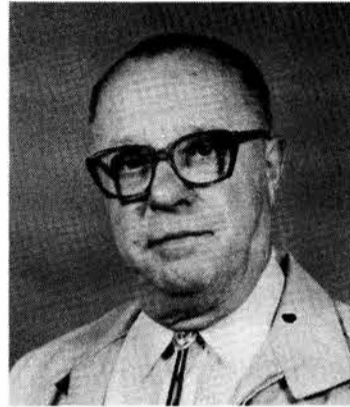
Sheila Carr (2626) 10



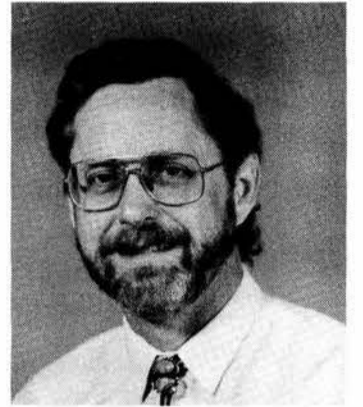
Bob Hole (3424) 30



Marion Wilde (2335) 10



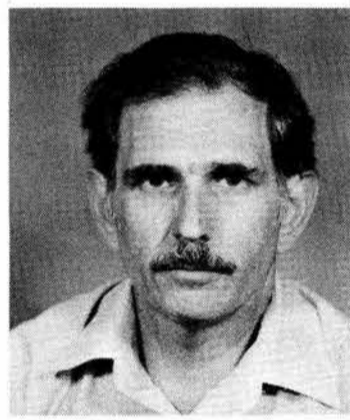
Joe Pavelko (5248) 30



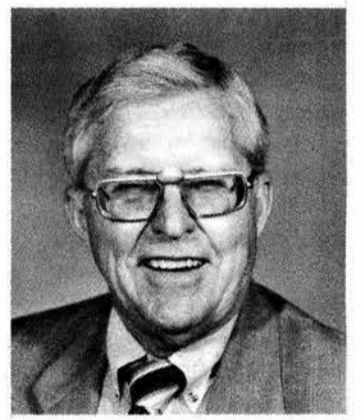
Ray Berg (2534) 15



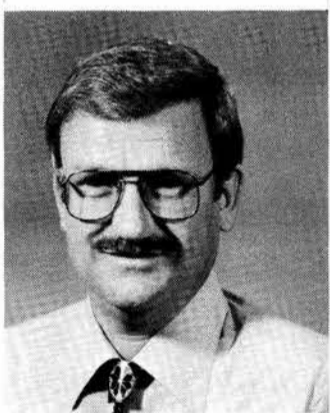
Turk Levy (7240) 35



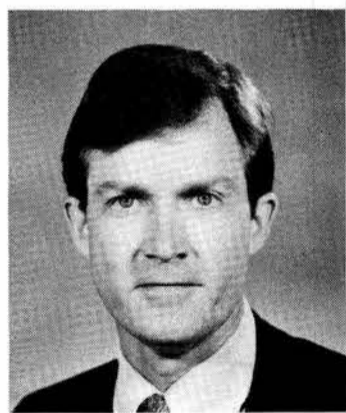
Harold Gottlieb (9232) 25



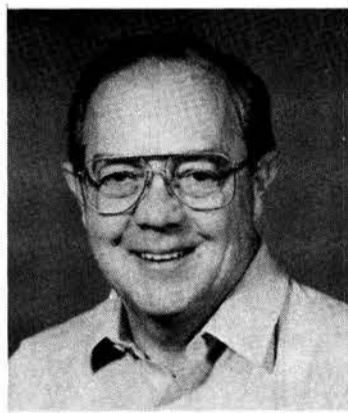
Randy Maydew (1550) 35



Kurt Putz (1553) 20



Tom James (9121) 20



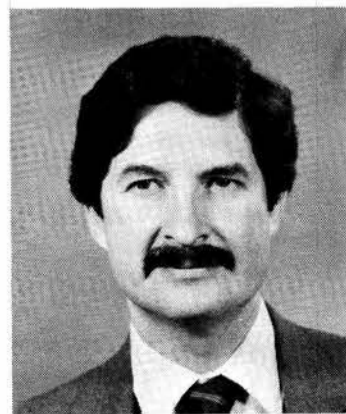
Jim Lovell (7132) 30



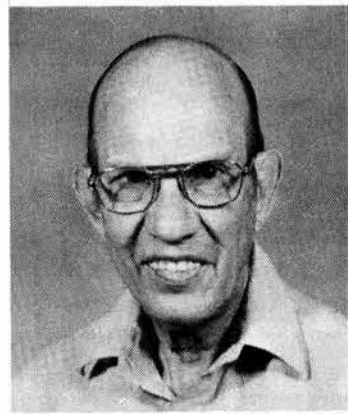
Bart Castillo (3423) 20



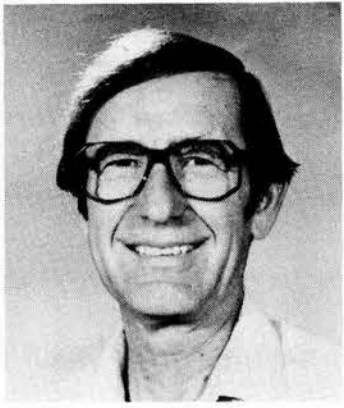
Johann Besse (3423) 10



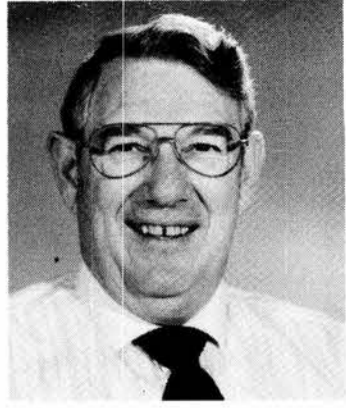
Al Villareal (2800) 10



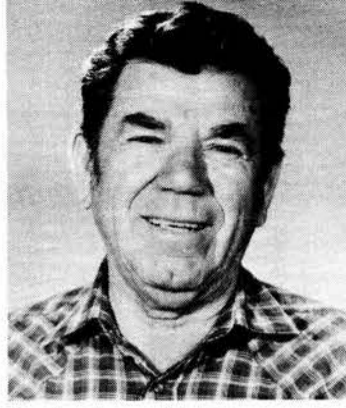
Ray Cooper (7481) 20



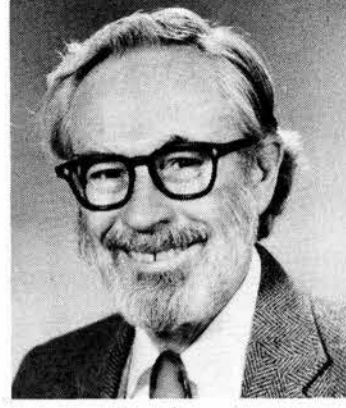
Norman Widenhoefer (9212) 30



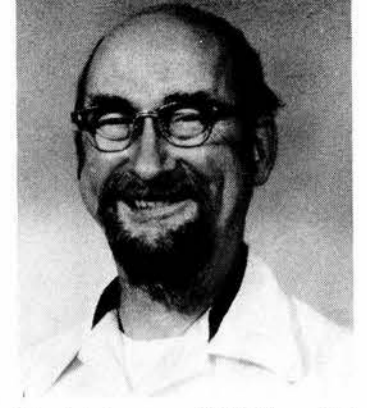
Robert Lindsey (7412) 30



Louis Perea (7533) 30



Charles Arnold (DMTS, 1811) 20



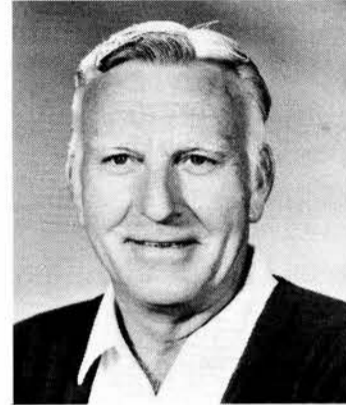
Herrick Lauson (2643) 20



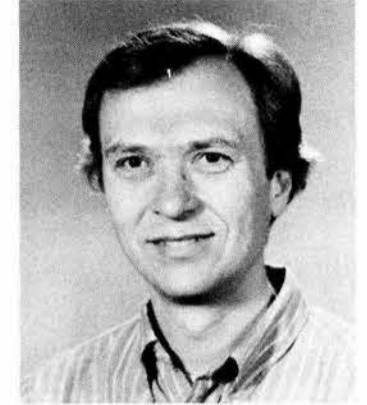
(TOP) Steve Schwegel (8271), Don Kasberg (8442), Terry Bersie (8274) 20



Shirley McKenzie (7861) 10



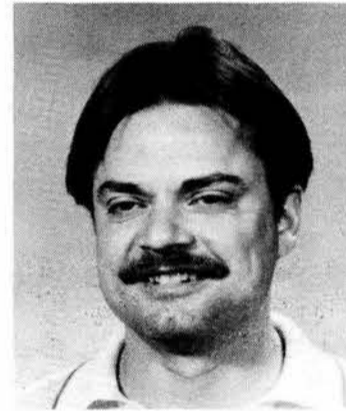
Lenor Morrison (9221) 30



John Boyes (1251) 10



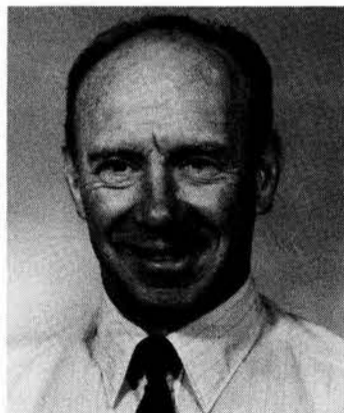
Del Houser (8184) 25



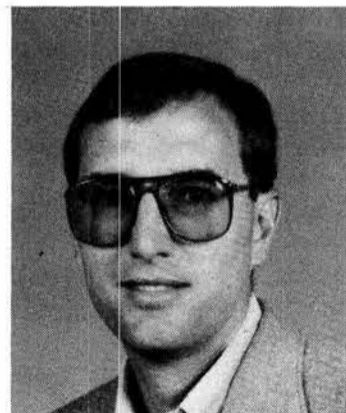
Mark Weber (3734) 10



Lollie Nunez (8262) 20



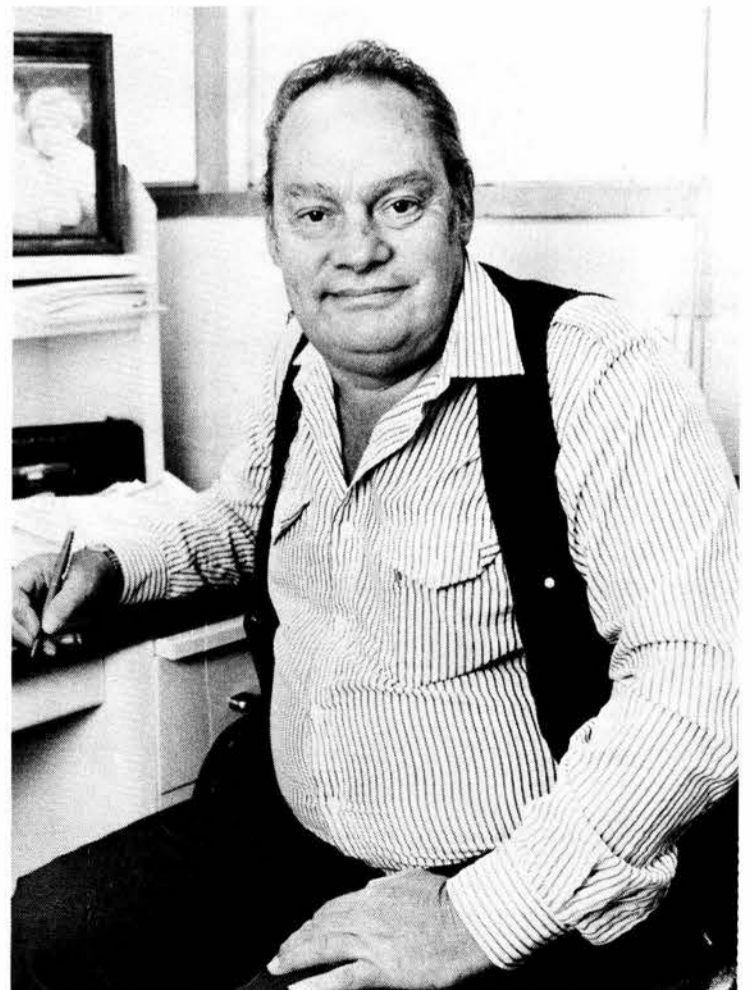
Harvey Morse (5213) 30



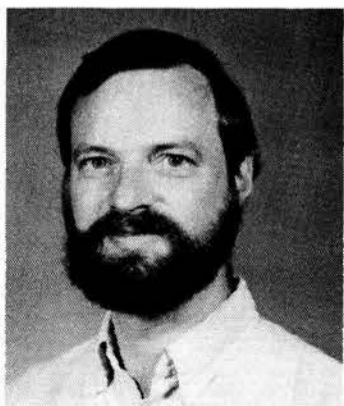
Al McDonald (8242) 10



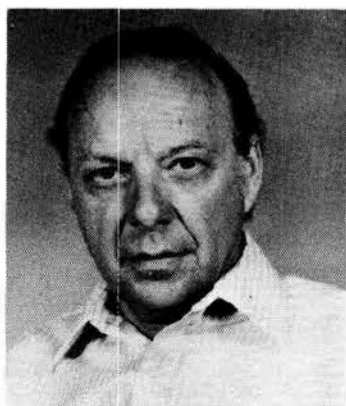
Jesse Pfrimmer (7256) 20



Otto Simon (2831) 20



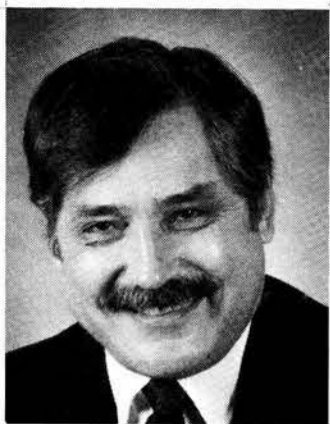
Jim Opalka (7121) 20



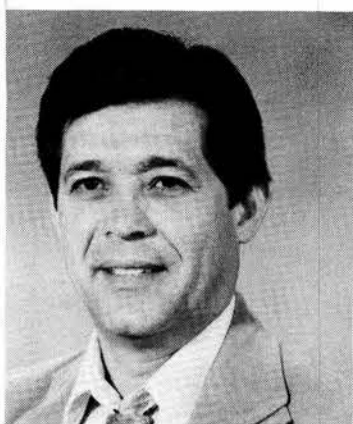
Ken Nielsen (7123) 25



Ted Church (7540) 40



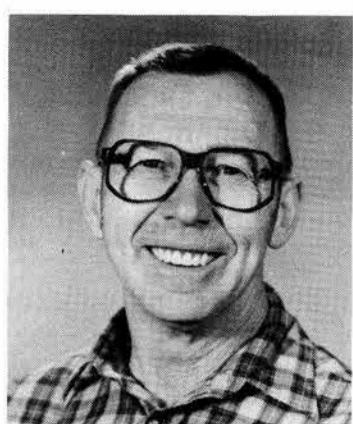
Cliff Schafer (8474) 30



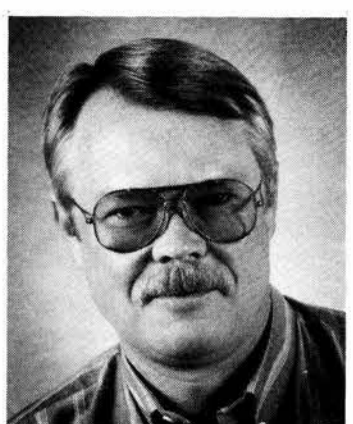
Christopher Arana (7251) 10



Wes Estill (8441) 30



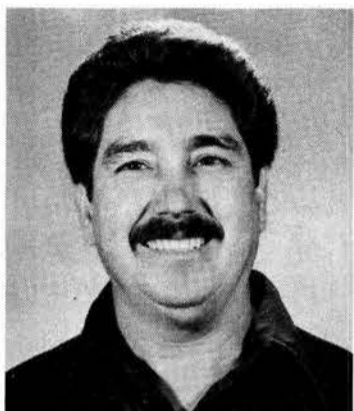
Ed Steele (7813) 10



Curt Cofield (8462) 20



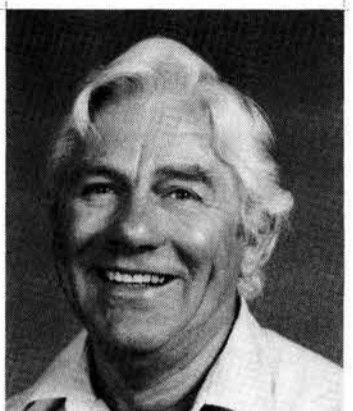
George Lujan (7481) 20



Eloy Garley (3423) 10



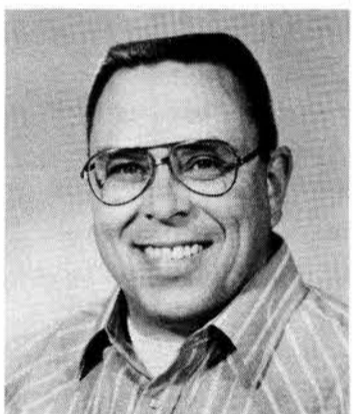
Mary Beth Aragon (2100) 10



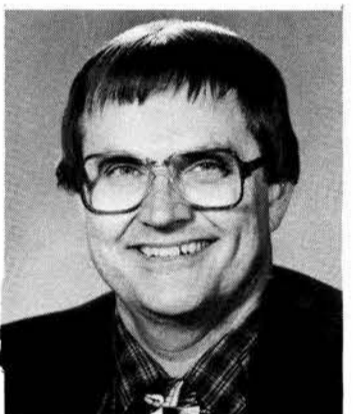
Art Kellom (8164) 30



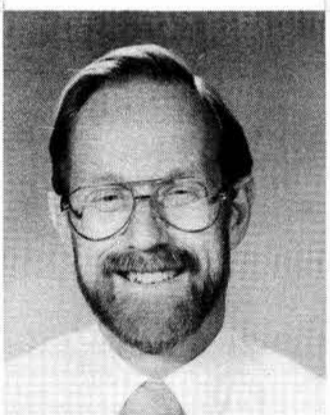
Mary Ann Seiler (3412) 10



David Humphreys (6322) 20



Charles Hall (2565) 25



Bob Rieden (2157) 25



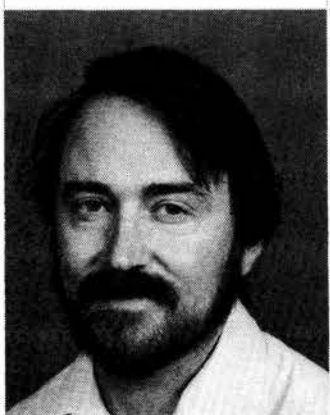
Lorena Schneider (8023) 35



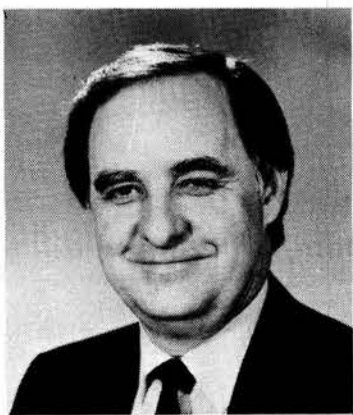
Bruce Affeldt (8184) 25



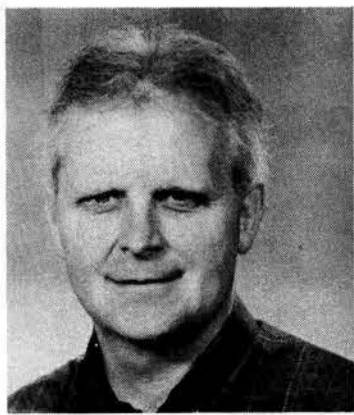
Jack Rex (3437)



Steve Guthrie (8343) 15



Lewis Sisneros (3724) 30



Bill Hendrick (7841) 10



Lina Cordova of Custodial Services Division 3426 died suddenly May 10 in Albuquerque. She was 58 years old.

Lina had been at the Labs since October 1977.

She is survived by one son.

Spare Your Wastebasket
If you're about to retire or leave the Labs, don't toss your historically valuable records. Corporate Historian Necah Furman (3151A) is looking for audiotapes, records, and photos. Call her on 6-9619.

UNCLASSIFIED ADVERTISEMENTS • UNCLASSIFIED ADVERTISEMENTS • UNCLASSIFIED ADVERTISEMENTS • UNCLASSIFIED ADVERTISEMENTS

Deadline: Friday noon before week of publication unless changed by holiday. Mail to Div. 3162.

Ad Rules

1. Limit 20 words, including last name and home phone.
2. Include organization and full name with each ad submission.
3. Submit each ad in writing. No phone-ins.
4. Use 8½ by 11-inch paper.
5. Use separate sheet for each ad category.
6. Type or print ads legibly; use only accepted abbreviations.
7. One ad per category per issue.
8. No more than two insertions of same ad.
9. No "For Rent" ads except for employees on temporary assignment.
10. No commercial ads.
11. For active and retired Sandians and DOE employees.
12. Housing listed for sale is available for occupancy without regard to race, creed, color, or national origin.

MISCELLANEOUS

AMERICAN INDIAN ARTIFACTS, paintings, pottery, etc. from private collection. Ahasteen, 298-3555.
TWO-PIECE SOFA SET, hide-a-bed, oak bedroom suite, Kenmore washer/dryer, maple harvest dining room set w/6 chairs and 2 leaves, more. Gregory, 821-3604.
SEARS CRAFTSMAN LAWN MOWER, 22", power-propelled, rear bagger, solid-state ignition, 4.0 reserve power, \$200 firm. Strascina, 299-2285.
SLIDING PATIO DOOR, 6' w/screen and frame, double-glass, \$50. Dunlap, 884-0232.
GLASS AND CHROME TABLE, 37" x 37", w/4 matching chairs, light-colored cane and chrome, \$160. Barr, 821-5870.
ENGLISH SPRINGER SPANIEL, AKC-registered, 12 mos. old, male, brown/white, \$100 OBO; Admiral camper for long-bed truck, sleeps 4, needs work, \$150 OBO. Padilla, 298-7324 after 4.
AIR CONDITIONER MOTOR, 1/3-hp; tires and rims, different sizes. Padilla, 877-2116.
10-PIECE SECTIONAL, rust color, \$550 OBO; 2 velvet chairs, \$25/ea. Hayes, 299-1200.
NIKON BINOCULAR MICROSCOPE, model SBR (4, 10, 40, 100 objective, 10X ocular), mechanical stage, w/carrying case. Burns, 281-2027 or 821-5528.
YOUTH'S FURNITURE: walnut-stained solid-wood chest, console, 2 book racks, desk, chair, nightstand, \$250. Jones, 881-8341.
PUSH LAWN MOWER w/catcher, \$30; Coleman tent heater, \$20; VW bus rooftop carrier, \$65; clarinet w/case, \$45. Reid, 268-6506.
BICYCLE ROLLERS, \$45; professional rowing machine, \$100; recliner, \$75. Stuart, 265-7315 anytime.
QUEEN-SIZE WATER BED, includes frame, headboard, mattress, & heater, \$125. Regan, 298-3996.
D-41 MARTIN GUITAR, w/hard case, left-handed, \$1800. Perryman, 281-3020.
POWER POLE, 12', wired with weather head, meter box, 15A GFI outlet, 60A 2-phase trailer outlet, \$120. Caffey, 296-3320.
FURNITURE, appliances, clothing, misc.; estate sale, June 5 from 11 a.m. to 6 p.m., June 6 from 8 a.m.

to 6 p.m.; 10317 Apache NE. Davies.
REESE EQUALIZER HITCH, \$50; camper jacks, \$50; Hayden transmission cooler, \$15; snack sets, \$2.50/box. Danclovic, 869-6086.
TYPEWRITER, IBM electric, \$125. Phelps, 821-1151.
WSW POLYESTER TIRE, 4-ply, F78-15 tubeless, 5-hole Chev. rim, \$10 complete. O'Bryant, 268-9049.
LAWN MOWER, Bolens self-propelled, 22", \$65. Selleck, 823-2497.
MINI-TRAMPOLINE, heavy-duty, \$15; men's spike track shoes, size 12, used once, \$15. Caskey, 296-6372.
FOLDING BED, twin-size, \$30. Matlack, 256-7371.
SMITH-CORONA TYPEWRITER, pre-1965; antique marble-topped table, 18.5" x 30" x 29" high, needs some repair. Nimick, 296-0196.
ONYX CHESS SET. Wagner, 293-3211.
KING-SIZE SOMMA BED, \$400; Polk model 12B speakers, pair, w/LF14 base module, \$500. Odom, 281-2366.
TWO SWIVELING WOODEN BAR-STOOLS, \$10/ea.; antique typewriter, \$10; Sears barbecue grill, \$10. Ruby, 299-0767.
OAK DINING ROOM SET: table, 58" x 36," 6 chairs, \$700 OBO. Rimbart, 892-7208 after 5:30.
AIREDALE PUPPIES, AKC-registered, champion lineage, \$250. Moffat, 268-6484.
FOUR TIRES, Firestone 721, size P215/75R15, 19K miles on tires, \$85/all. Grier, 296-7251.
KING-SIZE WATER BED, solid oak, w/bookcase headboard, 4-drawer pedestal, originally \$1800, sell for \$850. Bennett, 298-4547.
LA-Z-BOY CHAIR, double-size, \$100. Orear, 256-1941.
TIRE AND RIM, 950-16.5, Firestone M/S, fits Ford 8-lug, \$50; breaker box, new, Bryant 125-amp, \$20. Wright, 295-3850.
FURNITURE: oval dinette table, vinyl chairs, \$45; rectangular table, leaves, vinyl chairs, \$55; provincial armchair, \$35. Dillon, 256-0076.
SIDEWALK BIKE w/training wheels, \$35; child's car seat, \$25; Radio Flyer wagon, \$25. Montry, 821-3758.
METAL TOOL BOX for mid-size pickup, \$50; three 15" Ford pickup tires and wheels, \$10/ea. Valerio, 884-5400.
LAWN MOWER, power rotary, \$25. Chavez, 298-1649.
LIVING ROOM SET: couch, loveseat, chair, \$400; Speed Queen washer, used 8 mos., \$225. Lagasse, 298-3911.
COMMODORE 128/64 ACCESSORIES: 1200-baud modem, \$50; mouse, \$20; printer interface, \$20; more. Madrid, 294-5780.
DUNCAN PHYFE TABLE, dark mahogany, over 7' fully expanded, \$100. Dickey, 275-0890.
TRIUMPH ENGINE PARTS, 2 blocks: 1197/1300cc, 1197cc head w/intake valves, pistons, rods, lifters, clutch parts, misc., \$100/all. Skogmo, 294-0133.
BEER MEISTER, serves variety of keg beers, complete w/pony keg and CO₂ bottle, \$275 OBO. Lesperance, 298-5203.
TRICYCLE, \$20. Passman, 821-4999.
8-1/2' OVERHEAD CAMPER, jacks, oven, icebox, electric/manual water pump, AC/DC lights, \$800 OBO. Morrow, 281-3417.
MINI-TRAMPOLINE. Negin, 266-1983.
PENTAX 35mm CAMERA, ME Super Automatic SLR, F2.0, 50mm lens, Vivitar bounce-head flash, \$150/both. Crenshaw, 296-8948.
TWO END TABLES, \$45; gold living-

room chair and ottoman, \$80. Falacy, 293-2517.
MULTI-FAMILY GARAGE SALE, 9:30 a.m. to 3:30 p.m. June 13, 7816 Osuna NE. Heames, 293-6550.
LOG SPLITTER, heavy-duty, gas-powered, \$600 OBO. Gentz, 281-5497.

TRANSPORTATION

'86 PONTIAC FIREBIRD, 2-tone gray/silver, V-8, AM/FM, cruise, AT, one owner, \$9600. Bassett, 898-1840.
'49 CHEV. 1/2-TON PICKUP, 235 engine, 4-spd., no bed, runs but needs work, \$800 OBO. Murray, 821-1537.
'87 NISSAN SENTRA SPORT COUPE SE, 5-spd., AC, sunroof, AM/FM stereo cassette, \$9900. Silverman, 298-1308.
'68 MGB & '67 MG MIDGET, both red w/new tops, \$1800/ea. OBO. McCollister, 293-3147 or 298-6170.
'85 CHRYSLER LASER XE, fully loaded and computerized, leather interior, \$9000 or consider offer. Cosden, 268-3829.
'77 MERCEDES BENZ 240D, AC, sunroof, stereo, 4-spd., Michelins, dark blue, all maintenance records available, \$7500 OBO. Berardino, 823-2105.
'75 BMW R750/6 w/Ural sidecar, one owner, 10K miles, \$1995. Claussen, 293-9704 after 5.
'78 TOYOTA CHINOOK POP-TOP MH, 96-hp, refrigerator, furnace, stove, sink, Port-a-Potti, 2 double beds, table, storage. Carroll, 296-0256.
'16 CANOE, Sears, trolling motor, marine battery, oars, vests, carry mounts, brackets. Schulte, 293-4556 after 5.
CHILD'S BICYCLE, 20" balloon tires, banana seat, \$25. Reid, 268-6506.
'84 ROYALS FIFTH WHEEL, extras, tip-out room; '84 Cabriolet Toter, 6.9 International engine, \$39,000/both. Coleman, 822-8118.
'86 FORD F-150 PICKUP, 6-cyl., 4-spd., LWB, PS, PB, AC, \$8500. Padilla, 842-8068.
26" BICYCLE, 10-spd. Schwinn Varsity, \$50. Regan, 298-3996.
'72 VW BUG, 71K miles on engine, maintenance records, yellow, \$1150. George, 296-0115.
'68 PONTIAC FIREBIRD, less than 40K miles, 350 V-8, AT, PS, PB, all original, \$4000 OBO. Zarick, 836-5703.
'73 MAZDA RX-2, \$800. Stuart, 265-7315 anytime.
'83 FORD BRONCO, 4-WD, 36K miles, one owner, PS, cruise, AC, PB, cassette, more, best offer. Bachicha, 897-2346.
'48 CHEV. PICKUP, w/216 4-spd., \$1800 or trade for 70s model pickup w/overhead camper. Dowdy, 294-1278.
'76 BUICK REGAL, loaded, AM/FM tape, sunroof, original owner, new upholstery, carpet, \$750. Christensen, 293-2081.
RAMPAR MOTOCROSS BICYCLE, \$60. Caskey, 296-6372.
'83 MMH, "Born Free," Ford 460, generator, roll bars, TV, microwave, Air-ride suspension, power vent, hitch, AC, awning, Michelins, fully equipped, \$26,750. Raybon, 299-2135.
'83 SUZUKI GS550L, street bike, 9K miles, includes 2 full-face helmets, \$1000 OBO. Montague, 897-3074.
'74 VOLVO 142, \$1150 OBO. Leighley, 281-1865.
'87 PORSCHE 924S, non-standard features, 6.8K miles, \$22,000. Riley, 821-1949.
'79 CHEV. VAN, 6-cyl., standard, sliding door w/glass, new tires and brakes, roof vent, 73K miles. Hogan, 292-8879.

'74 PINTO, 2-dr. hatchback, AT, AM/FM stereo cassette, regular gas, \$600. Coleman, 884-5009.
'87 RENAULT ALLIANCE DL, 2-dr., AC, AT, PS, PB, \$6000. Campo, 299-2570.
'76 CHRYSLER CORDOBA, 400-cu.-in. V-8, PS, PB, AT, 89K miles, \$500 firm. Shen, 296-4427.
'81 BUICK SKYLARK, 4-dr., 4-cyl., AT, AC, light tan. Luikens, 884-1172.
'79 DATSUN 280ZX, black gold w/red accents, \$3800 OBO. Orth, 292-6174 after 5:30.
'82 MERCURY ZEPHYR, 4-dr., AC, AT, AM/FM cassette, tilt steering, cruise, vinyl top, 58K miles, \$2600. Dillon, 256-0076.
'80 DATSUN 310 GX, 2-dr. hatchback, 4-spd., 60K miles, \$2000. Smatana, 292-6548 after 5 weekdays.
'86 SUZUKI SAMURAI JX 4x4, convertible, 5-spd., AM/FM cassette, deluxe package, 3.2K miles, \$7195. Clark, 292-1495.
'74 VW SUPERBEETLE, yellow, \$975. Walkup, 822-9450.
'84 SUBARU DL, 2-dr., hatchback, 26.5K miles, 5-spd., AC, AM/FM, 28/36 mpg, blue, \$5000. Funkhouser, 296-0036.
DEMM MOPED, yellow, 1.35K miles, 100 mpg, double rear baskets, locking front wheel. Lagasse, 298-3911.
NISHIKI INT'L BICYCLE, 25", CrMo dbl.-butted frame, alloy wheels, completely reconditioned tires, chain, etc., adult-ridden, \$150. Dippold, 821-5750.
WOMAN'S 3-SPD. BIKE, \$45. Falacy, 293-2517.
'75 BLAZER, rebuilt transmission, lift kit, big tires, more, \$2000. Gunckel, 293-7042.
'85 HONDA V-45 MAGNA MOTORCYCLE, 5.9K miles, maintenance records available, cracked speedometer glass, 2 bell helmets included, \$2200 OBO. Alsbrooks, 897-1893.
'69 FORD F-100 PICKUP, 360 engine, 4-spd., air shocks, new rear tires, aux. gas tanks, \$1200 OBO. Morrow, 281-3417.
GIRL'S BICYCLES: 20" Huffly w/training wheels; 24" Sears single-speed, yellow; \$40/ea. Wolfe, 821-2162.
WOMAN'S BALLOON-TIRE BICYCLE. Negin, 266-1983.
'80 TOYOTA COROLLA 4-DR. WAGON, \$2500. Pierson, 296-7532.

REAL ESTATE

2+ ACRES, cul-de-sac lot, new subdivision, 6 miles from I-40 off S-14, borders national forest, with power, telephone, trees, restrictive covenants. Linker, 268-5198.
3-BDR. A-WARD HOME, Heritage Hills, 1-3/4 baths, great room w/FP, landscaped w/sprinklers, bay window breakfast nook, 1385 sq. ft., \$89,500. Murray, 821-1537.
2-BDR. MOBILE HOME, 14' x 74' Western Mansion, 2 baths, washer/dryer, dishwasher, 2-oven gas range, carpet throughout, AC. Beasley, 865-5850.
1.3 ACRES, El Pinar Estates, 14 miles east off frontage road, wooded, electricity, phone lines, \$10,000. Perryman, 281-3020.
4-BDR. HOME, Four Hills, 2-1/2 baths, tri-level, LR, DR, den w/FP, mature landscaping, mountain views, 2256 sq. ft., \$143,900. Torczynski, 292-7191.
3-BDR. HOME, Ridgecrest area, 2-3/4 baths, 2567 sq. ft., indoor hot tub, custom features, low equity, assum-

able loan, \$107,000. Scurry, 255-5390.
2-BDR. MOBILE HOME, Town & Country, in adult park, 14' x 65', 2 baths, 10' x 20' patio cover, new cooler, extras. Luikens, 884-1172 after 4:30.
3-BDR. BRICK HOME, 2400 sq. ft., new roof, enclosed entries, sunroom, landscaped, paved play court, RV yard, \$119,000. Hughes, 299-6674.
8-RM. HOME, 1800 sq. ft., double garage, 10' x 18' storage bldg., sprinklers, 2100 Muriel NE. Dyer, 299-5324.
2-BDR. MOBILE HOME, 1 bath, 14' x 75', in local park. Filip, 884-0526.
3-BDR. ALL-BRICK MOSSMAN HOME, off Comanche, 1560 sq. ft., 1-3/4 baths, pitched roof, grass in front & back, \$91,500. Gillings, 884-0853.
10 ACRES, South Highway 14 and Raven Rd. area, w/14' x 74' 3-bdr. mobile home, 2 baths, terms. Gentz, 281-5497.

FOR LEASE

3-BDR. HOUSE, September 1987 through August 1988, NE Heights, 1-3/4 baths, auto sprinklers, \$800/mo. Doerr, 823-1867.

WANTED

LEADS on infant adoption. Hawkinson, 281-1281.
FROST-FREE REFRIGERATOR for rental home, reasonably priced. Pierson, 892-9425.
TO BORROW: VHS tape of Phil Collins concert, broadcast on Channel 5 on May 17. Dandini, 296-4975.
T-BAR CLOTHESLINE POLES, 6' or 8' ladder, drill, extension ladder, wet/dry vac. Maxwell, 294-9073.
WITNESS to two-car fender-bender on Tues., May 19, at 4:35 p.m. on F Street in front of Sandia Personnel. Diegle, 294-5565.
SANDIANS WITH CHILDREN interested in day-care co-op possibilities. Baca, 298-7748 until 9 p.m.
ROOM NEEDED, near UNM, female grad student will share rent & utilities. Molley, 296-8653.
SUPER-8 MOVIE PROJECTOR. Ruby, 299-0767.
FISHER PRICE DOLLHOUSE FURNITURE. Wagner, 293-3211.
DRAFTING TABLE, camera tripod. Orear, 256-1941.
KIDSITTER, good swimmer w/own transportation, to sit 11-yr.-old girl, do light housework, prepare meals, workdays 8 a.m.-5 p.m. Simpson, 296-4588.

WORK WANTED

YARD WORK, mowing, and exterior painting in the NE and SE Heights, by college student, reasonable rates. Perrine, 293-1429.
HOUSE-SITTING, college senior will care for pets, plants, and home, 7 yrs. experience, references. George, 296-0115.
HOUSE PAINTING by college student, exterior or interior, experienced, complete window work, free estimates, reasonable rates. Dickey, 275-0890.

SHARE-A-RIDE

CEDAR CREST, SANDIA PARK, SANDIA KNOLLS vanpool, \$31/mo. Rentsch, 281-5017 or Burns, 281-3922.

Summer of '87 Adds a New Twist: Family Pool Parties

SOMETIMES I WONDER how the C-Club crew comes up with its tremendous ideas. There's something new under the sun (and moon) this summer: Twice a month, on Wednesday evenings from 6 to 9 p.m., families can gather for special pool parties (and we don't mean billiards). If you have a pash for splash and want to get out of the kitchen, these festivities are for you. Plan on eating at the enlarged and renovated snack bar, and afterward pop into the pool for a refreshing dip. In June, family pool nights are the 10th and the 24th. Regular admission rates apply: free for pool pass holders, \$1/person for Club members without passes, and \$2 for members' guests.

WHY I didn't mention that super Sunday brunch before, I'll never know. Anyway, this Sunday, June 7, bargain hunters among the brunch bunch will certainly want to show up from 10 a.m. to 2 p.m. The mouth-watering menu features baron of beef, fried chicken, tossed salad, corn O'Brien, potatoes au gratin, western omelets, pancakes, a medley of desserts, and a complimentary glass of wine or champagne. Club members get a \$1/person discount from the usual adult price (\$5.95) if they remember to bring along their membership cards. Kids 4-12 eat for \$3; those under 4, for free. Reservations recommended (265-6791).

SPEND THE last paycheck on a family outing? You don't have to at Family Night tomorrow, starting at 4 p.m. This outdoor wingding offers free swimming from 4 to 8, a BBQ buffet served on the patio from 5 to 7, and movies (outside too). Featured attraction on the big screen at 6 is "Charlie, the Lonesome Cougar."

LONELY NIGHT? Never, if you show up for Western Night the first Friday of the month (that's tonight, in case you haven't checked your calendar). Right after the two-for-one dinner special (filet mignon or scallops — your choice of two entrees for \$14.95), you can hone those sagebrush-shuffle skills during c/w lessons from 7:30 to 8:30 p.m. The real stompin' starts at 8:30. Those strumming specialists, the inimitable Isleta Poor Boys, provide the music. Chuck wagon reservations requested.

DREAMING OF rumba rhythms and elegant entrees? That compatible combination is yours next Friday night (June 12). Latin music lovers get all the support they need from the Freddie Chavez Foundation from 8 p.m. to midnight. Elegant entrees? You bet; the two-for-one features prime rib or poached halibut.

A SONG (probably many songs) from the New Mexico Marimba Band is just one of the treats in store when you bring your favorite father to Dad's Day festivities at the Club on Sunday, June 21, from 11 a.m. to 6 p.m. A BBQ buffet featuring papapeasin' food is available on the patio from 11 to 4, and those marimba players provide some unique music from 2-5. Plan a day of it: Take a relaxing swim, join in the volleyball or horseshoe games, or just park under a shade tree. All Club members are admitted to the pool free on this special day, so bring that membership card.

THOUGH I DREAM of being a superstar at a Coronado Aquatic Club meet, I'll never have the chance — I'm too old! But at least I can cheer CAC members on to victory at a couple of home meets this month (Saturdays, June 13 and June 27). Swimmers hit the water starting at 7:30 a.m. both days. Go CAC, go!

IN VAIN pursuit of the perfect vacation? Chase no further; you'll have just the ticket if you sign up for the September adventure in Alaska. Opt for either a land/cruise or cruise-only trip to that great state

up north. The land/cruise package (Sept. 8-20) includes city tours of Anchorage and Fairbanks, a side trip to see Mt. McKinley via the McKinley Explorer Train, and a stern-wheeler cruise as part of your stay in Fairbanks. Cruise-only people join the group on Sept. 13 and board the *Regent Sea* for a week-long cruise along the spectacular Alaskan coastline. Ports of call include Juneau, Ketchikan, Skagway, and Vancouver. Cost of the complete land/cruise package is \$2325/person (double); cruise-only folks pay \$1642. Included are all meals aboard the *Regent Sea*, all transportation costs (land/sea/air), lodging along the way, and taxes/tips. There's a price break on triple or quad occupancy, and final payment isn't due until July 20.

IN MY HEART, I know I *have* to do something with that VCP distribution! But what? If you're wondering the same thing, plan to attend a meeting next week:

June 9 - New York Life Insurance (Fred Lancaster), 5-6:30 p.m., Eldorado room (RSVP to Fred on 883-5757).

June 10 - Burt, Wright, & Co.; Financial Network Investment Corp. (Roger Nagel and Guy Trujillo on tax planning after tax reform), 4:45 p.m., Fiesta room (dining room).

June 10 - Dean Witter Reynolds (Michael DeVincentis, Bill Donald, Bill Wiley, and Steven Stubbs on IRA rollovers and investment options), 5-6:30 p.m., Eldorado room.

IT WILL REMAIN forever a mystery to you: what happens when those T-Bird card sharks get together for their wheel-and-deal sessions. A mystery, that is, unless you shuffle on out for the action at 10:30 a.m. on either June 11 or June 25. We know one thing: This group really plays its cards right!

MY STARDUST MELODY is what I'll be humming after I've danced to the swing-and-sway music of Don Lesmen and his group on Friday, June 19. They'll put out those soothing Big Band sounds from 8 to 11:30 p.m. that evening, following the two-for-one featuring filet mignon or fried shrimp. The Lesmen group always packs the house, so it might be a good idea to call in your dinner reservation right now.

A MEMORY OF a romantic potluck dinner on the patio can be yours if 1) you're a Thunderbird, and 2) you bring a main dish, salad, or dessert to the dinner on June 9 from 4 to 6 p.m. The T-Birds will furnish the ham. Games follow the gastronomic gala. (If you don't have a season patio ticket, bring a buck.)

More T-Birdian travels too: The Roadrunners will spend June 14-21 at Vallecito Reservoir (east of Durango). Call your wagonmaster for full details.

LOVES REFRAIN from tossing darts at each other. But you can dart over to the C-Club Tuesday nights and join the Coronado Club Dart League for good times in the pub. The Spring League is winding down, but you can sign up for the Summer League now. Deadline is June 16 at 5:30 p.m.; that's the Blind Draw Doubles Tournament following the League Awards Ceremony. For information, call Jeff Rinehart on 6-2362, Sandra Swain on 4-0744, or Dan Drummond on 4-7292.

Welcome

Albuquerque

Manuel Contreras (2312)
Steven Yrene (154)

California

Timothy Pointon (1265)

Indiana

Ross Burchard (2814)

New Mexico

Vincent Salazar (5144)

Ohio

Ted Parson (1232)
Lisa Wiley (2855)

Sympathy

To Rita Bushmire (9144) on the death of her father in Albuquerque, May 22.

To Gay Nell Harris (3551) on the death of her mother in Amarillo, Tex., May 28.

To Vern Marsh (2833) on the death of his father in Albuquerque May 29.



GRADUATION CEREMONY was held at the Coronado Club on May 21 for 18 participants in the Purchasing Excellence Program (PEP). All but one are MA V buyers. From bottom left: Marybelle Romero (3722), Bertie Denman (3745), Karla Kern (3741-3), instructor Tana Fallon (3732), Dolly Ebaugh (3716), Carol Desiderio (3741-3), and Connie Martinez (3723). From top left: Dannelle Salmen (3712), James Mace (3741-3), Rachel Botner (3726), Laura McCarty (3712), Connie Wenk (3714), Ashley McConnell (MLS, 3714), Nina Coe (3718), Barbara Forrest (3718), Gloria Perrine (3716), Martha Padilla (3723), and Pat Martin (3722). Not shown in photo is graduate Gene Rios (3724). Neither is Art Arenholz, manager of Purchasing Dept. 3710, who handed out diplomas, nor the graduation cake (topped off with scroll, hat, and a "Congratulations").